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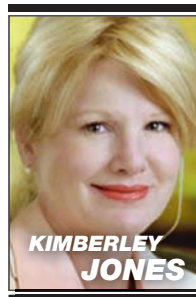


Is a custom app the right answer for marketing your business?

The adoption rates of mobile apps are becoming increasingly critical in the business realm due to ease-of-use, quick access to specialized content and engaging functionality. It makes business leaders wonder if a custom app is the right fit for their company or if an optimized website can accomplish the same thing. A great question and one that needs to be answered based on your business needs.

Is a Mobile App Right for Your Business?

So, you want a mobile app for your company? Many clients have approached me with the same desire. Start by asking high-level questions to determine if a mobile app is the best fit for your needs as there are a few options. You can go the route of a customized mobile app created for specific devices, a web application that works on all devices through a mobile web browser, or a hybrid where the web app is placed inside an app wrapper.



KIMBERLEY JONES

What is the purpose of the app?

Having a clear understanding of the goal of your app and who your audience is will help to define the purpose of the app for your end user. In general, an app should give quick and direct access to specific needs or wants while captivating the users and solidifying your brand.

What devices do you want to support?

You may only require an app for the iPhone as they are working with an internal sales audience. Knowing which devices you would like to have an app built for will help to determine which option will work best. The most popular platforms are iPhone and Android.

How often will you need to update the functionality of the app?

Do you foresee a need to modify the way the app functions or change a graphical element? You'll need to know if these type of changes can wait to be

programmed and deployed within a new version of the app or do they need to appear immediately for your customer base?

Do you have a timeline or budget constraints?

Do you have a set target date that the app needs to be ready for market? The timeline to build a mobile app can be longer and cost more if multiple platforms and devices are part of your requirement. If submitting apps to the Apple Store, it will also require additional time for a code review, adding a week or more to your timeline.

How will you plan to market or distribute the app?

Does your marketing plan include having your app be hosted in the Apple Store or Google Play stores? Or can a web link with directions to save as a bookmark be part of your marketing communication?

In-building wireless systems - enabling better communication

Without realizing it, your office building, factory, warehouse, hotel or hospital may have a wireless problem. Here's how you know for sure — you try to make a cellphone call from inside the building but you cannot get a strong signal, so you end up walking over to a window, a door or even stepping outside.

People may tell you that they tried to call you but you know that your cellphone never rang.

In an era where everyone has a smartphone or tablet — often more than one for personal and business use — not being able to make or take a call from inside a building is fast becoming unacceptable.

Studies by AT&T Mobility show that nearly 80 percent of all wireless calls either originate from or terminate inside buildings. Think about it. With millions of wireless devices in operation across Utah and the mountain states, if buildings are not equipped for wireless service, or, in some cases, actually inhibit wireless signals within their walls, then enterprises are hampered from performing at peak productivity. Furthermore, with projections that personal and business mobile data use will increase dramatically over the next five years, the lack of appropriate in-building wireless capability actually can put an enterprise at a competitive disadvantage.

In-Building Wireless Systems as a Solution

Building owners and property managers have options for outfitting their buildings for indoor wireless services, namely, systems that are designed to bring outdoor cellular signals indoors:

1. A distributed antenna system, or DAS, typically is used in large, multi-story buildings with more than 100,000 square feet of floor space. A DAS consists of a head-end that receives the radio frequency (RF) signal from the wireless carriers, either over the air using an outdoor antenna pointed to the nearest cell site, or by having the carriers install their base station equipment with the head-end equipment. The head-end equipment converts RF signals to optical signals and transmits these signals over fiber optic cable to remote units located on upper floors. Remote units convert optical signals back to RF and transmit those signals over coaxial cable to indoor antennas strategically located throughout the building to extend wireless coverage

to everyone in the facility.

2. A bi-directional amplifier, or BDA, also called a signal booster, works in smaller facilities with floor space of less than 100,000 square feet. Signal boosters bring RF signals from a nearby cell site into the building using an outdoor antenna, called a donor antenna,

that is mounted on the roof or the side of the building. A coaxial cable connects to the BDA that amplifies the RF signal to one or more indoor antennas placed at key points inside the facility. Signal boosters can

handle several carriers at a time. But before turning it on, every signal booster must be registered with each carrier whose signal is being amplified. Where public safety communication is required for coverage in stairwells and garages, a BDA is a reliable and economic solution.

3. Carrier small cells are an alternative to DAS in certain applications where installing a lot of cable is difficult or expensive because of the building construction. Small cells operate just like large outdoor cell sites but cover much smaller areas inside buildings, typically 10,000-20,000 square feet. Each small cell can serve up to 64 simultaneous users for voice and cellular data calls. The drawback is that each small cell is dedicated to one carrier. Where multiple carrier coverage is required, multiple small cells must be installed. At that point, a DAS may be more economical since DAS is a shared system.

4. For data-only, non-cellular wireless connections, Wi-Fi access points (APs) provide high-speed wireless data links inside buildings. Today, most smartphones, laptops and tablets can access a Wi-Fi hotspot that may be part of a public or private indoor wireless network. Even with Wi-Fi, indoor cellular calls can only be handled via a DAS or BDA.

Deploying an In-Building Wireless System

Now that we understand the problem and are aware of available solutions, how does an in-building wireless system get installed, and who pays? Here are three ways:

1. A carrier-led DAS is one that a major wireless carrier such as AT&T or Verizon will install and transmit their own signals over the system. That carrier



JARED VANCE



JOHN CELENTANO



Deposits of oil sands in the Uinta Basin of Utah may be closer to being economically tapped thanks to new technology being tested near Vernal.

Breakthrough technology in Utah hopes to make oil sands development clean

Although Canada has pioneered oil sands development, a new technology could open up oil sands processing in the United States, including the huge reserves in Utah, according to a report from Bloomberg.

Toronto-based MCW Energy Group will begin producing cleaner, cheaper oil from oil sands next year at a newly built processing plant in north-eastern Utah — home to an estimated 32 billion barrels of heavy crude, which represents more than half of America's known oil sands reserves.

MCW Energy cut the ribbon last month on a new oil sands extraction pilot plant near Vernal, home to the Asphalt Ridge deposit, which is alone thought to hold 1 billion barrels of oil.

For Utah, the prospects are boundless. A number of large players — including Houston-based Marathon Oil, EP Energy Corp. and Newfield Exploration Co. — have already been attracted to the state's Uinta Basin, but the focus could now shift to oil sands.

MCW's technology could prove to be a much cleaner process than with the oil sands in Canada. It does not use any water and MCW says oil sands can be processed cleanly "without creating the toxic wastelands that have resulted from oil sands projects in western Canada."

It uses a proprietary technology that allows for the separation of oil from crushed rock and sand. Once separation is completed, the sand can be safely returned to its original site.

Even better, MCW says it can produce a barrel of oil at a cost of just \$38, which is about half of the roughly \$75 per barrel cost in Alberta.

MCW's new pilot plant can handle only around 250 barrels a day, but that is just the beginning. With the commercial viability of its proprietary extraction technology demonstrated, it hopes to expand its pilot facility and also build subsequent sites elsewhere.

MCW is the pioneer in Utah but others are catching on. Calgary-based US Oil Sands is planning to open a similar plant in Utah next year to produce about 2,000 barrels per day.

With production costs coming in around \$30 a barrel using the new technology, not even slumping oil prices can derail the Utah project, which has the ability to hit profits even if oil prices drop to \$65 a barrel.

Officials of both local government and the oil companies are looking at the possibility of a new oil boom in Utah — once again spawned by fast-moving new technology.



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Top Technology Companies in Utah

Ranked by Number of Utah Employees

Company Name	Address	Phone Web	Approx. # of Utah Employees	Year Founded	Type of Industry
ATK (Alliant Techsystems)	5000 S. 8400 W. Magna, UT 84044	801-251-5911 atk.com	5,600	1990	Aerospace
ARUP Laboratories	500 Chipeta Way Salt Lake City, UT 84108	801-583-2787 aruplab.com	2,300	1984	Biotechnology
L-3 Communications	640 N 2200 W. Salt Lake City, UT 84116	801-594-2000 l-3com.com	2,000	1997	Communications
Clearlink Technologies Payroll LLC	5202 W. Douglas Corrigan Way, Ste. 300 Salt Lake City, UT 84116	801-424-0018 clearlink.com	1,000-1,999	2001	Services
eBay	583 W. Ebay Way Draper, UT 84020	801-619-2400 ebay.com	1,000-1,999	1995	Ecommerce
IM Flash Technologies LLC	4000 N. Flash Drive Lehi, UT 84043	801-767-4000 imflash.com	1,000-1,999	2006	Hardware
Qwest Corp.	154 E. 21st St. Ogden, UT 84401	877-798-1939 qwest.com	1,000-1,999	1996	Telecommunication
Xerox Commercial Solutions LLC	675 E. 500 S., #200 Salt Lake City, UT 84102	801-535-8500 xerox.com	1,000-1,999	1906	Information Technology
Merit Medical Systems	1375 W. 8040 S. West Jordan, UT 84088	801-253-1600 merit.com	1,654	1987	Biotechnology
IM Flash	1550 E. 3400 N. Lehi, UT 84043	801-767-4000 imflash.com	1,650	2006	Hardware/Software
Novell	1800 S. Novell Place Provo, UT 84606	801-861-7000 novell.com	1,000	1979	Software
Adobe	3900 Adobe Way Lehi, UT 84043	385-345-0000 adobe.com	500-999	1982	Software
Ancestry.com	360 W. 4800 N. Provo, UT 84604	801-705-7000 ancestry.com	500-999	1983	Ecommerce
Backcountry.com Inc.	2607 S. 3200 W., Ste. A West Valley City, UT 84119	801-973-4553 backcountry.com	500-999	1996	Ecommerce
Bluehost.com	560 N. Timpanogos Pkwy. Orem, UT 84097	888-401-4678 bluehost.com	500-999	2003	Web Hosting
EMC Corp.	11747 S. Lone Peak Pkwy. Ste. 200 Draper, UT 84020	801-523-6152 emc.com	500-999	1979	Software & Services
Overstock.com	6350 S. 3000 E. Salt Lake City, UT 84121	801-947-3100 overstock.com	800	1999	Ecommerce
1-800 Contacts	51 W. Center St. Orem, UT 84057	1-800-266-8228 1800contacts.com	600	1995	Ecommerce
BD Medical	9450 S. State St. Sandy, UT 84070	801-565-2300 bd.com	600	1906	Biotechnology
Fairchild Semiconductor	3333 W. 9000 S. West Jordan, UT 84088	801-562-7000 fairchildsemi.com	500	1957	Hardware
Myriad Genetics	320 Wakara Way Salt Lake City, UT	801-584-3600 myriad.com	500	1991	Biotechnology
Varian Medical	1678 Pioneer Rd. Salt Lake City, UT 84104	801-973-5053 varian.com	500	1940	Biotechnology
ICU Medical	4455 Atherton Dr. Salt Lake City, UT 84123	801-262-2688 icumed.com	350	1984	Biotechnology
ModusLink	1255 N. Research Way Orem, UT 84097	801-431-1000 ocs.com	350	1989	Software

IN BUILDING

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then invites other carriers to add their signals while paying recurring access fees to the first carrier.

2. A neutral-host DAS is installed by a third party such as a tower company who will own and operate the system but lease capacity on a shared basis to several carriers.

3. Building owners or property managers purchase their own system from a specialized contractor who designs, installs, and maintains the equipment. The contractor turns over a fully-tested system that the property owner can lease capacity on to one or more cellular carriers. Contracting with an in-building wireless systems specialist can remove a lot of the building owner's risk and headache associated with such a complex process.

How to get started?

First, the carrier, neutral-host or the contractor must have an understanding of the building itself — architectural drawings that show location, number of floors, area square footage and construction materials along with the number of people that occupy the building and occupancy times.

Second, a site survey determines the cellular signal strength at different points throughout the building to determine the optimal location of indoor antennas and which carrier signal must be brought into the building. That data are inputted into sophisticated design tools which generate a "heat map" showing where to place the antennas for optimal RF signal coverage.

This design output serves two purposes: First, design documentation must be presented to the carriers to show where their signals will be distributed inside the building. This process is called "carrier coordination" and is required because the carriers own the wireless spectrum. Anyone deploying an in-building wireless system needs the carriers' approval. Second, the design determines the bill of materials (BOM), including all active and passive components for a full DAS deployment. Once installed, the system is tested by the contractor and the carrier(s), then turned over to the owner.

In the end, operating without adequate in-building wireless coverage is not an option for any enterprise in today's mobile business environment. Choosing the right system with an experienced contractor ensures a high-value, cost-effective solution while lowering the risks.

Jared Vance is the distributed antenna systems manager at Hunt Electric in Salt Lake City. John Celentano is the strategic marketing manager for TESSCO Technologies, a wireless equipment distributor in Hunt Valley, Maryland.



Distributed antenna systems begin with a head-end antenna that receives the radio frequency (RF) signal from the wireless carriers and distributes them through buildings that would otherwise have poor cellular reception.



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Tech industry leads Utah back to the top in Forbes 'Best States' ranking



There are nearly 1,000 life sciences companies in Utah, and all major sub-sectors of the industry are experiencing faster employment growth than the U.S. average.

The national unemployment rate recently dipped to 5.8 percent, a level last seen in July 2008, but the economic recovery has hardly been robust. Voters went to the polls last month and expressed their dissatisfaction. The economy is the most important factor for voters and seven out of 10 said it is still in bad shape.

Yet, pockets of the U.S. — with Utah's tech boom leading the way — are prospering with strong business climates. Utah is on top and leads eight western states — out of the top 10 — in *Forbes'* annual study of the Best States for Business. Utah returns to the top spot, having been ranked first between 2010 and 2012 before dropping to third last year.

Total U.S. employment declined between 2008 and 2013, but Utah added jobs at a 0.6 percent annual clip, good for fourth-best in the country. The gains are expected to continue with both Moody's Analytics and EMSI forecasting

top 10 growth rates for jobs over the next five years using "top down" (Moody's) and "bottom up" (EMSI) methods. Utah also has the highest household incomes among the 10 states with the best job growth forecasts over the next five years.

Although Utah has become a technology hub in recent years, its tech roots run deep. In 1985, it was home to two of the three largest software companies in Novell and WordPerfect. Microsoft rounded out the top three. Novell and WordPerfect have long been swallowed up, but Utah continues to be a hot locale for technology firms.

Ebay has been in Utah since 2000, and it began an expansion last year to add 1,600 jobs and almost double its workforce in the state. "The talent pool in Utah is incredible," Scott Murray, vice president of global customer experience, told the Associated Press last year, citing the availability of software engineers and Mormon missionaries with foreign language skills.

Oracle announced an expansion to its Utah operations this year, which will add more than 300 jobs. Other tech firms with a heavy presence in the Beehive State include Microsoft, Twitter and Adobe. Only five states received more venture capital funding than Utah in the first three quarters of 2014, according to the National Capital Venture Association (Washington just barely eked ahead of Utah). Most of the money is going to tech startups in either the Provo or Salt Lake City areas.

In addition to software and IT, life sciences is a targeted industry for Utah's economic developers. Medical device firm Varian Medical Systems kicked off an expansion in August to add 1,000 new jobs, which will more than double its presence in Salt Lake. There are nearly 1,000 life sciences companies in Utah, and all major sub-sectors of the industry are experiencing faster employment growth than the U.S. average.

Financial services is another targeted area for Utah developers, and they can point to Goldman Sachs. The firm has 1,700 employees in Salt Lake, which serves as its second-biggest office in the Americas. The company expects significant growth in Utah over the next two to four years.

Utah has a very pro-business climate, and companies benefit from energy costs that are 26 percent below the national average—third-lowest in the nation. Utah's economy expanded 2.4 percent a year over the past five years—fifth best in the U.S. It is the only state to rank in the top 10 in five of the six main categories used to determine the Best States.

Forbes' Best States ranking looks at 36 data points across six main areas: business costs, labor supply, regulatory environment, economic climate, growth prospects and quality of life. Business costs, which include labor, energy and taxes, are weighted the most heavily.



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CUSTOM APP

from page 13

A Mobile App

A mobile app will give your customers a unique and specific experience on their mobile devices. Mobile apps are created to work a specific way depending on what platform (Apple or Google) it is being created for. Knowing which platform and device you'd like an app created for can cut down on time and cost as each platform will require its own unique code base, quality assurance and usability testing. When deploying code to the Apple Store, the app must pass a code review that can take anywhere from one to two additional weeks before you are ready for distribution.

Over time, changes and enhancements will need to be made due to changes in functionality, graphical layouts or even operating system updates. These changes will need to be made to the multiple code bases, requiring another code review before having the version available in the Apple Store.

Once you have a completed mobile app, you can rest assured that your customers will have a high performing and fast experience as they use native functionality. Mobile apps do not always require full-time Internet connection as they can cache data for future use. Both iOS and Android have a set of standards to adhere to when developing an app which will ensure the best end-user experience for your customer. In-app purchases can be made through iTunes and Google Play, making transactions easy. However, there may be a fee associated for the e-commerce functionality.

Mobile apps can be created for members of an internal sales team to allow them a quick and easy way to access sales collateral from their iPhones. The app is placed on the Apple Store where anyone is able to download and view public documents, videos, PowerPoints and other sales material. The sales team is able to authenticate to access additional sales enablement collateral marked as private through a content management system.

A Web App

Another route that can be taken is creating a web app that runs on a mobile browser. A web app will function and look close to a mobile app with some variants due to different browsers, but we have found the differences to be very minimal.

One benefit to a web app is that there is only one code basis that is used across all platforms, saving time and money when developing. If the web app requires any functionality or layout changes it can be modified quickly and pushed live at any time since all the code, including the dynamic content, can be controlled from a content management system. Payment transactions can be made within the web app and handled much like that of any e-commerce website.

The web app will need a Wi-Fi connection to work properly and may have some performance issues depending on the speed of the user's Internet connec-

tion. For many clients, this has not been a show stopper as the majority of their customers usually have their mobile devices running on a network of some sort at all times.

Because the web app is, in essence, a website URL it will not be found in an app store. Your customers will need to have a URL provided to them so they can access your web app. We have found a strong marketing campaign can achieve spreading the word and also teach your customers how

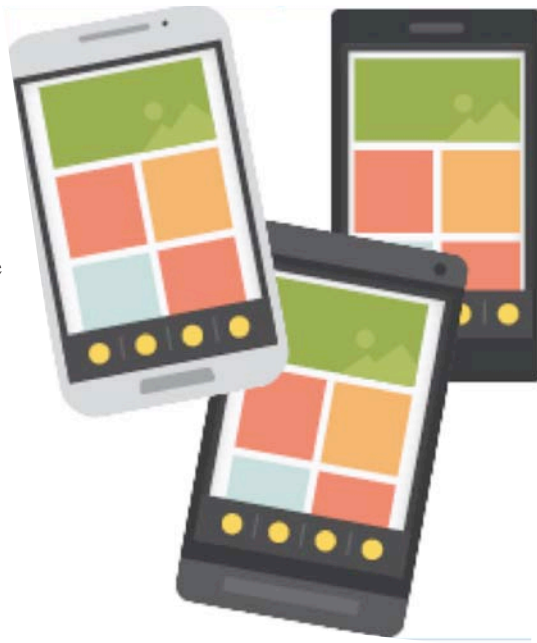
to bookmark the URL on their device, giving the appearance of an app icon.

The Hybrid

I have found that many times a web app is the best choice for most businesses; however, they want the app to be found in the Apple Store or Google Play stores. We are able to accommodate this by placing the web app into an app wrapper. As mentioned previously, web apps require an Internet connection. When building hybrid

apps, the web portion is built using HTML5, which will allow the site to be cached on the device when there is no Internet connection. Once connected to the Internet, the app will upload any changes and continue to work as expected. This will take time and budget as each device must be programmed and tested for quality assurance, but it is much faster than creating the specific code for each device and operating system. The one hang-up with the hybrid model is that payment transactions through a web app may not pass the mobile app code review as the stores are unable to run the transaction through iTunes or Google Play.

Kimberley Jones is the founder and CEO of Vérité Inc. and sits on the board of the Women Tech Council and on many nonprofit boards.



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Top Internet Service Providers

Ranked by Number of Subscribers

Company Name	Address	Phone Web	Total # of Employees	Top Executive	Number of Subscribers	Area Served
Digis LLC	727 E. Utah Valley Dr. Ste. 100 American Fork, UT 84003	888-344-4788 digis.net	250	Ryan Larssen	36,000	Utah County North to Preston, ID
South Central Communications	318 N. 100 E. Kanab, UT 84741	435-826-4211 socen.com	87	Michael R. East	13,300	Rural Southern Utah; Wayne, Garfield, Piute, Kane, Sevier, Beaver, Iron, Washington Counties
Emery Telcom	445 E. SR 29 Orangeville, UT 84537	435-748-2223 emerytelcom.com	90	Brock Johansen	12,000	Carbon County, Emery County, Grand County, San Juan County
Veracity Networks	170 W. Election Road Ste.200 Draper, UT 84020	801-691-5800 veracitynetworks.com	137	Drew Peterson	10,000+	Nationwide
Utah Broadband	461 W. Parkland Drive Sandy, UT 84070	801-953-6706 utahbroadband.com	30	Steve McGhie	10,000+	Wasatch Front & Back
CentraCom	35 S. State Fairview, UT 84629	435-427-3331 centracom.com	99	I. Branch Cox & Eddie L. Cox	9,242	Utah
Integra	265 E. 100 S., #200 Salt Lake City, UT 84111	801-746-2000 integratelecom.com/ pages/default.aspx	200	Rick Christensen	7,000	Greater Salt Lake City area & Ogden area
Beehive Broadband	2000 E. Sunset Road Lake Point, UT 84074	435-837-6000 beehivebroadband. com	47	Scott Wilson	2,000	Throughout Utah & Nevada
American Wireless Inc. DBA AWI Networks	845 E. Red Hills Parkway St. George, UT 84770	435-674-0320 awinetworks.com	25	Ray Carpenter	Thousands	Washington, Iron, Beaver, Kane & Garfield counties
Comcast	9602 S. 300 W. Sandy, UT 84070	801-401-3228 business.comcast.com	1,400	Paul Merritt	DND	From Logan (including Cache Valley) to Payson; from Heber & Park City to Tooele & Grantsville
FirstDigital Telecom	90 S. 400 W. Ste. M100 Salt Lake City, UT 84101	Local: 801-456-1000 Toll Free: 801-540- 9789 firstdigital.com	50	Wesley J. McDougal	DND	Nationwide
ServerPlus	P.O. Box 970842 Orem, UT 84097	801-426-8283 serverplus.com	80	Layne Sisk	DND	International
XMission	51 E. 400 S. Ste. 200 Salt Lake City, UT 84111	801-539-0852 xmission.com	37	Pete Ashdown	DND	Nationwide for most services; residential connectivity services and UTOPIA limited to select areas across Utah
All West Communications	50 W. 100 N. Kamas, UT 84036	866-ALL-WEST allwest.com	100	Matthew Weller	DND	DND
InfoWest Inc.	148 E. Tabernacle St. George, UT 84770	435-674-0165 infowest.com	30+	Kelly Nyberg	DND	Utah
CenturyLink	250 E. 200 S. Salt Lake City, UT 84111	801-575-4796 centurylink.com	1,500	Jeremy Ferkin	DND	Logan to St.George

Top Website Development in Utah

Ranked by Number of Utah Employees

Company Name	Address	Phone Web	# of Utah Employees	Top Executive	Notable Clients
MRM/McCann	60 E. South Temple, Ste. 1400 Salt Lake City, UT 84111	801-257-7700 mrm-mccann.com mrm-mccann.com/location/ salt-lake-city	320	Lori Feld	Cisco, Verizon, Intel, AOL, United States Postal Service
OrangeSoda Inc.	732 E. 930 S. American Fork, UT 84003	877-598-4661 DND	150	Jeff Conley	DND
ThomasARTS	240 S. 200 W. Farmington, UT 84025	801-451-5365 thomasarts.com	118	David Thomas	Ken Garff, Zions Bank, Mozy
Riester	1441 Ute Blvd., Ste. 360 Park City, UT 84098	435-647-2100 riester.com	100+	Alan Perkel	Megamex Foods, Voskos Greek Yogurt, McDonald's
The Summit Group Communications	117 W. 400 S. Salt Lake City, UT 84101	801-595-1155 800-382-4179 summitslc.com	85+	Bill Paulos & Todd Wolfenbarger	Sony, Subway, GFG Brands, Extra Space Storage, Squatters
Rain	686 E. 110 S. Ste. 102 American Fork, UT 84003	801-802-6464 mediarain.com	70	Mark Stevenett	Harmons Neighborhood Grocer, Nu Skin, Walmart, Campbell Soup
Penna Powers	1706 S. Major St. Salt Lake City, UT 84115	801-487-4800 pennapowers.com	45	Chuck Penna	DND
Love Communications	546 S. 200 W. Salt Lake City, UT 84101	801-519-8880 DND	40	Tom Love	USTAR, Nicholas and Company, Cache Valley Electric, United Way, Adatto
Oozle Media	11339 S. 700 E. Sandy, UT 84070	801- 562-8557 oozlemedia.com	28	Chris Linford & David Smith	Allred Construction, Unique Auto Body, Pure Fit Pure Food
Jakob Marketing Partners	4535 S. 2300 E. Holladay, UT 84117	801-930-5354 jakobmarketing.com	24	Rob Scott	Wells Fargo, Imagine Health, Rocky Mountain Care, All Pro Cleaning
Richter7	280 S. 400 W., #200 Salt Lake City, UT 84101	801-521-2903 DND	24	Tal Harry, Tim Brown, Dave Newbold, Scott Rockwood,	Park City Chamber, Mountain America Credit Union, Papa Murphy's
Red Olive	9980 S. 300 W., Ste. 300 Sandy, UT 84070	801-545-0410 redolive.com	23	Matthew Moeller	IM Flash, National College of Sports Medicine, Xcel Fitness
Vérité	608 W. 9320 S. Sandy, UT 84070	801-553-1101 verite.com	21	Kimberley Jones	The Road Home, Symantec, Merit Medical, Landesk
Web Design in Utah	7650 Union Park Center Midvale, UT 84047	801-557-4409 webdesigninutah.com	20	Braxton Tulin	Hardrock Homes, General Motors ASEP, Lionsgate Entertainment
Fusion 360	434 E. 4500 S. Ste. 101 Salt Lake City, UT 84117	801-810-4001 fusion360agency.com	20	Todd Noall	Pepsi, Carhartt, Fox Racing, Stein Eriksen Lodge
BrandHive	48 W. Market St., Ste. 300 Salt Lake City, UT 84101	8801-538-0777 brandhive.com	19	Jeff Hilton & Matt Aller	DND
Rumor Advertising	455 N. 400 W. Salt Lake City, UT 84103	See website rumoradvertising.com	18	DND	DND
i4 Solutions Inc.	707 W. 700 S., #201 Woods Cross, UT 84087	801-294-6400 i4.net	17	Brandon Anderson & Mike Rivera	Utah Transit Authority, Swire Coca- Cola Bottling, All Star Bowling and Entertainment
Advent Integrated LLC	55 N. Main St., Ste. 403 Logan, UT 84321	435-787-8285 adventintegrated.com	15	Adam Smith	S&P Dow Jones, Marriott, Nestle, Utah State University