



2020 Emerging Jobs Report



Intro by Guy Berger, Principal Economist



I'm excited to present the third annual LinkedIn U.S. Emerging Jobs Report, shining a spotlight on jobs experiencing tremendous growth and examining what these trends mean for the workforce. Using LinkedIn data, we're able to identify the top 15 jobs that have emerged over the last five years, as well as the skills uniquely associated with them, and insights into the industries and cities hiring this emerging workforce.

In this year's report, artificial intelligence and data science roles continue to proliferate across nearly every industry. Robotics, [an emerging sector of the \\$1.2 trillion artificial intelligence industry](#), has also made its first appearance in this report. Blockchain Developer didn't return, which may not come as a surprise given the rapid decline in popularity of Bitcoin and other cryptocurrencies.

So what does this mean for you? At this stage, most of the workforce doesn't work in the emerging field of artificial intelligence, but that doesn't mean it won't impact everyone. Artificial intelligence will require the entire workforce to learn new skills, whether it's to keep up to date with an existing role, or pursuing a new career as a result of automation.

By sharing insights about the types of roles being impacted most by rapid change, we want to make sure professionals and companies are able to prepare for the new world of work. Continue reading to learn more about LinkedIn's 2020 Emerging Jobs.

2020 U.S. Job Trends



Data and artificial intelligence continue to make a strong showing in our Emerging Jobs Report, but roles across sales and health care also took spots. Here are the top job trends from this year's list:

Data science is booming and starting to replace legacy roles.

Unsurprisingly, data science is a field that is seeing continued growth on a tremendous scale, but our data shows data scientists may be augmenting responsibilities traditionally done by statisticians as some industries, like insurance, gear up for the future.

Increased insurance coverage for mental health is driving up demand for behavioral health professionals.

Since 2015, hiring growth for behavioral health technicians has grown 32% on average year over year. This is also one of the only jobs on this year's list that doesn't require a 4-year degree.

It's never a bad time to be an engineer.

Engineering isn't a new profession by any means, but engineering roles across the board are still seeing tremendous growth. More than 50% of this year's list was made up of roles related to engineering or development, with the emerging field of robotics appearing for the first time.

2020 U.S. Industry Trends



Online learning is here to stay.

The multibillion-dollar e-learning industry is taking off, and it's staffing up to prepare. LinkedIn data shows the industry is snapping up both sales and tech talent, indicating continued customer demand for these types of solutions.

The future of the tech industry relies heavily on people skills.

A few roles represented in this report—product owner, customer success specialist, and sales development representative - are in high demand within the tech industry. The future of things like Software as a Service (SaaS), [a \\$278 billion dollar industry](#), will rely on people skills (which can't be automated) successfully complementing new technologies.

Smart(er) cars are coming.

The automotive industry is hiring for AI talent in the form of robotics engineers, data scientists, and artificial intelligence specialists. In the race to build the first self-driving car, investment in this type of talent is a clear indicator that smart transportation is part of the next wave of AI innovation.

2020 U.S. Location Trends



Secondary cities have the jobs.

A lower cost of living and an expanded availability of remote work have created opportunities in a number of smaller U.S. economies. The top secondary cities with emerging job markets are Austin, Raleigh-Durham, Pittsburgh, Portland, and Charlotte.

Tech takes over Washington, D.C.

While it may not be the U.S. government doing the hiring, Washington D.C., and the surrounding metros are all attracting tech talent, including cybersecurity, data science, and artificial intelligence pros.

Remote work becomes mainstream.

Previously considered a “perk,” remote work is quickly becoming a priority for many. More than 40% of millennials, who now make up the largest generation in the workforce, say flexibility to work from anywhere is a priority when evaluating job opportunities. And companies are taking note; Amazon, CVS Health, and American Express all boast a significant number of remote work opportunities.

The top 15 emerging jobs in the U.S.



#1 74% annual growth

Artificial Intelligence Specialist

What you should know:

Artificial Intelligence and Machine Learning have both become synonymous with innovation, and [our data shows that's more than just buzz](#). Hiring growth for this role has grown 74% annually in the past 4 years and encompasses a few different titles within the space that all have a very specific set of skills despite being spread across industries, including artificial intelligence and machine learning engineer.

Skills unique to the job:

Machine Learning, Deep Learning, TensorFlow, Python, Natural Language Processing

Where the jobs are:

San Francisco Bay Area, New York, Boston, Seattle, Los Angeles

Top industries hiring this talent:

Computer Software, Internet, Information Technology & Services, Higher Education, Consumer Electronics



#2 40% annual growth

Robotics Engineer

What you should know:

Robotics is an industry on fire. UiPath, one of the most popular robotics solutions, was just [valued at \\$7 billion](#), and the industry as a whole is projected to continue this upward momentum. Careers in Robotics Engineering can vary greatly between software and hardware roles, and our data shows engineers working on both virtual and physical bots are on the rise.

Skills unique to the job:

Robotic Process Automation, UiPath, Blue Prism, Automation Anywhere, Robotics

Where the jobs are:

San Francisco Bay Area, Atlanta, New York, Washington, D.C., Boston

Top industries hiring this talent:

Information Technology & Services, Industrial Automation, Computer Software, Financial Services, Automotive



#3 37% annual growth

Data Scientist

What you should know:

Data science is another field that has topped the Emerging Jobs list for three years running. It's a specialty that's continuing to grow significantly across all industries. Our data indicates some of this growth can likely be attributed to the evolution of previously existing jobs, like Statisticians, and increased emphasis on data in academic research.

Skills unique to the job:

Machine Learning, Data Science, Python, R, Apache Spark

Where the jobs are:

San Francisco Bay Area, New York, Washington, D.C., Seattle, Boston

Top industries hiring this talent:

Information Technology & Services, Computer Software, Internet, Financial Services, Higher Education



#4 35% annual growth

Full Stack Engineer

What you should know:

While not a new job, the rapid pace of change in technology has made full stack developers a valuable asset to any company. Not only is this the second year this role has made the Emerging Jobs list, since 2015 hiring growth for this profession has been 35% every year from a wide range of developer and engineering backgrounds.

Skills unique to the job:

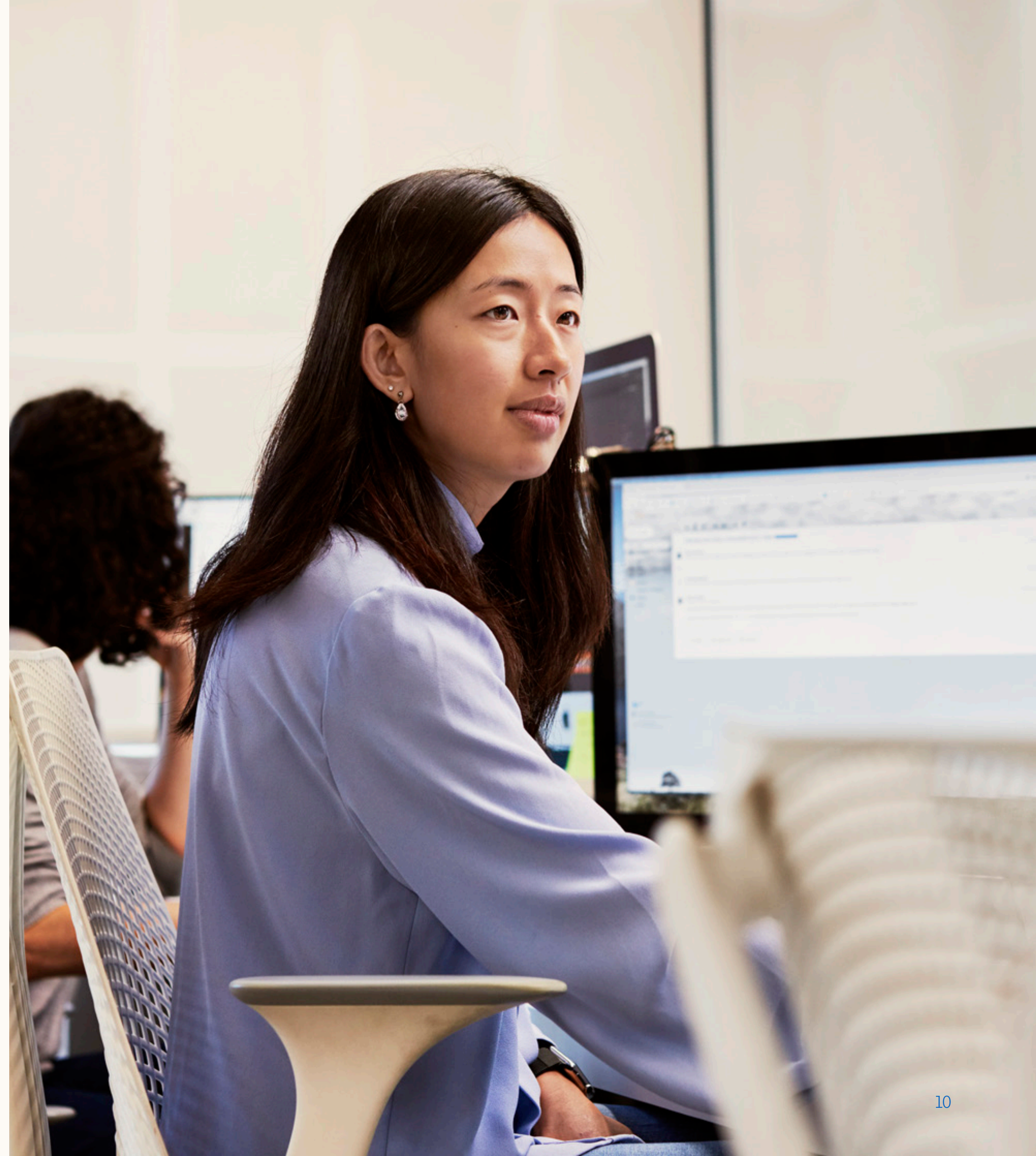
React.js, Node.js, JavaScript, AngularJS, Cascading Style Sheets (CSS)

Where the jobs are:

San Francisco Bay Area, New York, Los Angeles, Boston, Washington, D.C.

Top industries hiring this talent:

Computer Software, Information Technology & Services, Internet, Financial Services, Higher Education



#5 34% annual growth

Site Reliability Engineer

What you should know:

If you ever wonder who makes sure the apps you're using are always up and running, look no further. Responsible for ensuring that development and operational processes are running smoothly, the demand for this job will likely continue to rise as long as we're using technology in our day-to-day lives. As a bonus, the skills required are transferable to many different engineering roles, such as Cloud Engineer or Full Stack Engineer.

Skills unique to the job:

Amazon Web Services, Ansible, Kubernetes, Docker Products, Terraform

Where the jobs are:

San Francisco Bay Area, New York, Seattle, Boston, Washington, D.C.

Top industries hiring this talent:

Internet, Computer Software, Information Technology & Services, Financial Services, Consumer Electronics



#6 34% annual growth

Customer Success Specialist

What you should know:

Also fueled by the growth of technology services that require hands-on support, Customer Success roles are on the upswing. [An earlier report](#) found that job posts on LinkedIn for Customer Success Manager in the U.S. grew 34% in 2018, and 72% of professionals currently in the role are in the Software & IT industry. These professionals typically have a hybrid of soft and hard skills, as they're responsible for both understanding the technology and managing the customer relationship.

Skills unique to the job:

Software as a Service (SaaS), Salesforce, Customer Relationship Management, Account Management, Customer Retention

Where the jobs are:

San Francisco Bay Area, New York, Boston, Chicago, Washington, D.C.

Top industries hiring this talent:

Computer Software, Internet, Information Technology & Services, Marketing & Advertising, Financial Services



#7 34% annual growth

Sales Development Representative

What you should know:

While sales development representative (SDR) has been on the Emerging Jobs list more than once, it's not because it's on the cutting edge. The skills needed for the job have remained largely unchanged since 2015—Salesforce know-how and cold-calling still make up a large part of the job. It's the continued explosive growth of technology services that rely on SDRs to find new customers that keep this job on the list.

Skills unique to the job:

Salesforce, Cold-Calling, Software as a Service (SaaS), Lead Generation, Sales

Where the jobs are:

San Francisco Bay Area, New York, Boston, Chicago, Austin

Top industries hiring this talent:

Computer Software, Internet, Information Technology & Services, Marketing & Advertising, Computer & Network Security



#8 33% annual growth

Data Engineer

What you should know:

Data has quickly become every company's most valuable resource, and they need savvy engineers that can build infrastructure to keep it organized. The hiring growth rate of professionals in this emerging job has increased by nearly 35% since 2015, and industries from Retail to Automotive are snapping up this hard-to-hire talent. Interestingly, Amazon Web Services has emerged as one of the top skills held by Data Engineers, something that didn't show up in our analysis of professionals who held this role in 2015.

Skills unique to the job:

Apache Spark, Hadoop, Python, Extract/Transform/Load (ETL), Amazon Web Services

Where the jobs are:

San Francisco Bay Area, New York, Seattle, Boston, Chicago

Top industries hiring this talent:

Information Technology & Services, Internet, Computer Software, Financial Services, Hospital & Health Care



#9 32% annual growth

Behavioral Health Technician

What you should know:

Increased health insurance coverage for mental health and substance abuse treatment has likely created this increased demand for Behavioral Health Technicians, many of whom specialize in working with patients who have autism or behavioral disorders and are working with children in school environments. The path to becoming a Behavioral Health Technician is varied, given that training for the role doesn't require a specific degree, providing an opportunity for professionals from all backgrounds to join this emerging field.

Skills unique to the job:

Applied Behavior Analysis, Autism Spectrum Disorders, Behavioral Health, Mental Health

Where the jobs are:

Miami-Fort Lauderdale, Orlando, San Francisco Bay Area, Phoenix, Seattle

Top industries hiring this talent:

Mental Health Care, Hospital & Health Care, Individual & Family Services, Education Management, Health, Wellness & Fitness



#10 30% annual growth

Cybersecurity Specialist

What you should know:

It's no secret that cybersecurity is top of mind for every company, something that's made more apparent by the addition of Cybersecurity Specialist to this year's Emerging Jobs list. The growth and importance of this role are likely to continue as [reports show data breaches have increased more than 50%](#) in 2019 over this time last year. And it looks like Washington is taking note, as a large number of available jobs are in D.C. and the surrounding area.

Skills unique to the job:

Cybersecurity, Information Security, Network Security, Vulnerability Assessment

Where the jobs are:

Washington, D.C., New York, San Francisco Bay Area, Chicago, Denver

Top industries hiring this talent:

Information Technology & Services, Defense & Space, Computer Network & Security, Management Consulting, Financial Services



#11 30% annual growth

Back End Developer

What you should know:

Back End Developer is another engineering job that's likely to continue to grow as virtually every company builds a digital property. It's also a job that can largely be done from anywhere, offering an opportunity for remote work. There are openings around the country, whether you want to live in a big city like San Francisco or that may offer a more affordable quality of life, like Raleigh.

Skills unique to the job:

Node.js, JavaScript, Amazon Web Services, Git, MongoDB

Where the jobs are:

San Francisco Bay Area, New York, Los Angeles, Boston, Seattle

Top industries hiring this talent:

Computer Software, Internet, Information Technology & Services, Marketing & Advertising, Financial Services



#12 28% annual growth

Chief Revenue Officer

What you should know:

Having a Chief Revenue Officer is somewhat of a new concept, born out of the need to better understand the roles both sales and marketing play in making a company money. As the two fields have become more intertwined, having a CRO at the helm to lead the combined strategies of two teams has become increasingly important. Based on our data, this role is likely here to stay.

Skills unique to the job:

Strategic Partnerships, Start-ups, Software as a Service (SaaS), Go-to-Market Strategy, Executive Management

Where the jobs are:

New York, San Francisco Bay Area, Atlanta, Boston, Chicago

Top industries hiring this talent:

Computer Software, Information Technology & Services, Marketing & Advertising, Internet, Financial Services



#13 27% annual growth

Cloud Engineer

What you should know:

Cloud computing changed the game for companies that wanted to build products without needing their own servers, and every year the cloud gets bigger. Cloud Engineers will likely be a continuing need across the country in all industries.

Skills unique to the job:

Amazon Web Services, Cloud Computing, Docker Products, Ansible, Jenkins

Where the jobs are:

San Francisco Bay Area, Washington, D.C., New York, Dallas-Fort Worth, Chicago

Top industries hiring this talent:

Information Technology & Services, Computer Software, Financial Services, Internet, Telecommunications



#14 25% annual growth

JavaScript Developer

What you should know:

JavaScript Developer is one of the most in-demand roles in the country, as are the skills associated with it, and JavaScript is among the top five in-demand skills in the software industry.

Skills unique to the job:

React.js, Node.js, AngularJS, JavaScript, Cascading Style Sheets (CSS)

Where the jobs are:

New York, San Francisco Bay Area, Los Angeles, Boston, Washington, D.C.

Top industries hiring this talent:

Computer Software, Information Technology & Services, Internet, Financial Services, Marketing & Advertising



#15 24% annual growth

Product Owner

What you should know:

If you've got a desire to support the product development process, but you're not an engineer, this is the job for you. Product owners wear a lot of hats and are responsible for the success of a product in-market. They may do anything from market research to customer relationship management.

Skills unique to the job:

Agile Methodologies, Scrum, Product Management, Software Development, JIRA

Where the jobs are:

New York, Boston, San Francisco Bay Area, Chicago, Atlanta

Top industries hiring this talent:

Information Technology & Services, Financial Services, Computer Software, Insurance, Hospital & Health Care



Emerging Jobs Methodology

The Emerging Jobs analysis is based on all LinkedIn members with a public profile that has held a full-time position within the U.S. during the past five years. Once the talent pool has been identified, we then calculate the share of hiring and Compound Annual Growth Rate for each occupation between 2015 and 2019 to identify the roles with the largest rate of hiring growth. These become our Emerging Jobs.

Thank you!