

Andiamo analyzes hundreds of jobs across North America. These ten positions are among the most difficult to fill in the technology market. This information takes into consideration job title, time required fill the positions, geographic locations, and sought-after skills, talents, and technologies.

BIG DATA

Big data engineers develop, construct, and test large scale processing systems to manage massive amounts of data in the most efficient ways possible.

Top 5 Job Titles

- Big Data Engineer
- **Data Visualization** Developer
- Bata Analyst
- Hadoop Developer /Architect
- Oata Engineer





Cities/States With the **Most of These Jobs** Raleigh, NC



Job Openings Qualified Candidates





Skills & Talents

- High transaction -low latency
- Distributed systems
- Synchronization
- Search and discoverability
- Performance analytics
- Unstructured data
- Scalable software systems

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DANGED Flink

KNOX

SPLUNK FLUME

JAVASCRIPT

Javascript developers create modernized interactive user-interfaces, design digital dashboards, and build complex responsive web applications using modern JavaScript frameworks for end users to click, imput, pull up, or visually display information.

Top 5 Job Titles

- Senior Full Stack Engineer
- React.js Developer
- Senior Web Engineer
- Frontend Engineer -JavaScript
- Angular.js Developer





Cities/States With the **Most of These Jobs**

New York, NY San Francisco, CA

Chicago, IL

Seattle, WA

Washington, DC

Job Openings Qualified Candidates





Skills & Talents

- User-interface development
- RESTful APIs
- Web applications
- Testing frameworks
- Browser performance
- ✓ Scripting stored procedures

Technologies Toolkit BACKBONE.JS React



MOULARIS



ember





NODE.JS

Node.js developers utilize a Javascript free and open source cross-platform for server-side programming that allows users to build network applications quickly. Node.js. uses event-driven programming to build scalable applications and network programs. Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient.

Node.js' package ecosystem, npm, is the largest ecosystem of open source libraries in the world.

Top 5 Job Titles

- Node.js Developer
- Savascript Developer
- Full Stack Developer
- Full Stack Engineer
- Application Developer





Cities/States With the Most of These Jobs

San Francisco, CA
New York, NY
Atlanta, GA
Arlington, VA



Job Openings vs Qualified Candidates





Skill & Talents

- Distributed systems
- √ Object-oriented development
- ✓ Client-server architecture
- ✓ RESTful APIs
- √ Web application development
- ✓ Asynchronous JavaScript

Technologies Toolkit mode® mongoDB PostgreSQL



CLOUD SERVICES

Cloud engineers develop computing infrastructure that give users a simple way to access servers, storage, databases and a broad set of application services. Cloud infrastructure, or Infrastructure-as-a-Service allows users and enterprises with various capabilities to store and process their data in either privately owned clouds, or on a third-party server in order to make data accessing mechanisms much more easy and reliable. Cloud engineers also maintain the network-connected hardware required for these application services.

Top 5 Job Titles

- Cloud Software Engineer
- AWS Engineer
- ! Infrastructure Engineer
- Cloud Operations Engineer
- Cloud Solutions Architect





Cities/States With the Most of These Jobs









Skills & Talents

- ✓ Infrastructure management
- ✓ Cloud platforms
- Continuous integration/ deployment
- Storage and network domains
- High throughput systems
- √ Micro services





SITE RELIABILITY ENGINEER (SRE)

SREs own the production environment, taking a software engineer's approach to solving operations problems. They ensure that large-scale distributed systems are performing as optimally as possible, often focusing on automation, scalability, and capacity planning.

Top 5 Job Titles

- Site Reliability Engineer
- Infrastructure Engineer
- **Automation Engineer**
- Operations Engineer
- System Administrator





Cities/States With the **Most of These Jobs**



San Francisco, CA



New York, NY Boston, MA



Seattle, WA



Los Angeles, CA









Skills & Talents

- Networking
- ✓ Virtualization
- ✓ Automation
- ✓ Reliability and efficiency
- ✓ Monitoring

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DEVOPS

DevOps engineers focus on development, operations, and quality assurance. They are tasked with the design and construction of software and systems, along with its deployment, maintenance, and management.

- DevOps Engineer
- Infrastructure Engineer
- **Automation Engineer**
- Systems Engineer







Top 5 Job Titles

- DevTools Engineer









- Configuration management
- ✓ Build and release
- Orchestration
- Containerization
- **Deployment Automation**
- Continuous integration Monitoring
- Reliability
- Critical systems

Cities/States With the **Most of These Jobs**



San Francisco, CA New York, NY Seattle, WA



Princeton, NJ

Boston, MA

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INFORMATION SECURITY

Information security (infoSec) engineers create processes, tools, and policies necessary to prevent, detect, document and counter threats to information, software, networks, and infrastructure within an organization.

Top 5 Job Titles

- Network Security Engineer
- Risk Manager/ Security Audit
- Information Security Engineer/Architect
- **Data Protection** Engineer
- Application Security Engineer





Cities/States With the **Most of These Jobs**

New York, NY

Atlanta, GA

Arlington, VA

Jersey City, NJ Stamford, CT









- ✓ Encryption
- Cryptography
- Network security
- ✓ Authorization
- ✓ Access management
- ✓ Application security
- √ Vulnerability assessment

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PGP







metasploit* SSH

SSL

DATA SCIENCE

Data Scientists handle raw data, statistics, and information and work with distributed computing systems to create predictive models and analytics systems.

Top 5 Job Titles

- A Data Scientist
- Data Analyst/ Engineer
- Oata Architect
- Quantitative Analyst
- NLP Developer/ **ML** Engineer





Cities/States With the **Most of These Jobs**



New York, NY San Francisco, CA

Seattle, WA

Chicago, IL

Washington, DC

Job Openings **Qualified Candidates**





Skills & Talents

- Statistical theories/ methodology
- ✓ Information retrieval
- Data mining
- ✓ Machine learning
- ✓ Natural language processing
- Data modeling



MOBILE DEVELOPER

Mobile application developers write software for small, wireless computing devices such as smartphones or tablets. These mobile applications (apps) are often written specifically to take advantage of the unique features a particular mobile device offers.

Top 5 Job Titles

- Mobile Developer
- Application Developer
- Android Developer
- **Mobile Applications** Engineer
- OS App Developer



B.S. Most Common **Education** Computer Sci. Level & Major Computer Eng.

Cities/States With the **Most of These Jobs**



Charlotte, NC



Washington, DC

Boston, MA







Skills & Talents

- √ Cross-platform Development
- ✓ Graphical Interface Design
- √ Object-oriented architecture
- √ Web services technologies
- √ Test-driven development
- ✓ Distributed applications

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SOFTWARE ENGINEER

Software engineers apply the principles and techniques of computer science, engineering, and mathematical analysis to the design, development, testing, and evaluation of the software and the systems that enable computers to perform their many applications.

Top 5 Job Titles

- Senior Software Engineer
- Senior Software Developer
- 8 SDE
- SDM
- Computer Programmer











Seattle, WA

New York, NY San Francisco, CA

Chicago, IL

Boston, NA

Job Openings Qualified Candidates





Skills & Talents

- ✓ Algorithms
- ✓ Data structures
- Object-oriented design
- Web applications
- Service-oriented architecture
- ✓ Dynamic programming
- Applications architecture

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COMPANIES HIRING THE MOST FOR THESE POSITIONS

Google

facebook



























FAST GROWING COMPANIES HIRING THESE TECHNOLOGISTS

lyA

stripe





cloudera





















ANDIAMO HAS PLACED TOP CANDIDATES:

IN THESE CATEGORIES

- Big Data
- Front End JS Frameworks
- Node.js
- Cloud Development



- SRE
- DevOps
- Information Security
- Data Science
- Mobile
- OOD

WITH THESE TITLES

Machine Learning Engineer,
NLP Engineer, Full Stack Engineer,
Frontend Engineer, Application Developer,
Infrastructure Engineer, Cloud Software
Engineer, DevOps Engineer, Network
Security Engineer, Information Security
Engineer/Architect, Data Scientist,
Data Engineer, Mobile Developer,
Senior Software Engineer

IN THESE LOCATIONS

- New York
- Seattle
- San Francisco
- Austin
- Salt Lake City
- Chicago
- Boston
- Dallas
- · Jersey City, NJ
- · Greenwich, CT
- · Durham, NC
- St. Louis

CLIENTS WE HAVE HELPED:













