

Software Engineer, PhD University Graduate (United States)

Google's software engineers develop the next-generation technologies that change how millions of users connect, explore, and interact with information and one another. Our ambitions reach far beyond just Search. Our products need to handle information at the the scale of the web. We're looking for ideas from every area of computer science, including information retrieval, artificial intelligence, natural language processing, distributed computing, large-scale system design, networking, security, data compression, and user interface design; the list goes on and is growing every day. As a software engineer, you work on a small team and can switch teams and projects as our fast-paced business grows and evolves. We need our engineers to be versatile and passionate to tackle new problems as we continue to push technology forward.

As a key member of a small and versatile team, you design, test, deploy and maintain software solutions.

Responsibilities

- Write server-side code for web-based applications.
- Develop prototypes quickly and create robust high-volume production applications.
- Develop for specialist domains: client application development for Windows/Mac (Chrome, Toolbar, etc.), embedded systems and mobile apps (Android), developer tools (IDEs, large-scale build systems, compilers), infrastructure, internationalization, networking, and more.

Minimum qualifications

- PhD in Computer Science or related technical discipline.
- Large scale systems design experience with knowledge of Unix/Linux.
- Programming experience in one or more of the following: C/C++, Java, Python

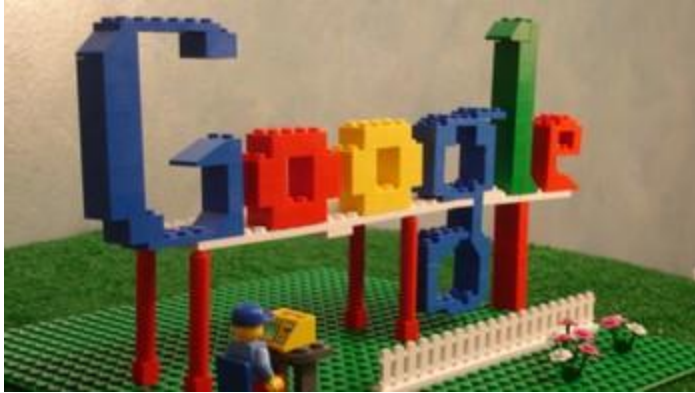
Preferred qualifications

- A solid foundation in computer science, with strong competencies in data structures, algorithms, and software design.
- Research experience in Algorithms, Architecture, Artificial Intelligence, Compilers, Database, Data Mining, Distributed Systems, Machine Learning, Networking, or Systems.
- Coding skills in Python or JavaScript/AJAX, database design and SQL, and/or knowledge of TCP/IP and network programming.
- Strong OO skills.

Area

Google is and always will be an engineering company. We hire people with a broad set of technical skills who are ready to tackle some of technology's greatest challenges and make an impact on millions, if not billions, of users. At Google, engineers not only revolutionize search, they routinely work on massive scalability and storage solutions, large-scale applications and entirely new platforms for developers around the world. From AdWords to Chrome, Android to YouTube, Social to Local, Google engineers are changing the world one technological achievement after another.

Software Engineering



Develop the next-generation technologies that change how millions interact.

[Learn more about our Software Engineering roles](#)

Job details

Team or role:

Software Engineering

Job type:

Full-time

Last updated:

Jul 13, 2016

Job location(s):

Cambridge, MA, USA; Madison, WI, USA; San Francisco, CA, USA; Irvine, CA, USA; San Bruno, CA, USA; Pittsburgh, PA, USA; Chicago, IL, USA; Mountain View, CA, USA; Boulder, CO, USA