Software Engineer II, BIOS, Google Cloud Platform

Minimum qualifications:

- Bachelor’s degree or equivalent practical experience.
- 1 year of experience with software development in C or C++.
- 1 year of experience in system software development (e.g., firmware, BIOS, BSP, Linux kernel, BMC, device drivers, and system libraries).

Preferred qualifications:

- Master's degree or PhD in Computer Science or related technical field.
- Experience with developer operations, release management, integration testing, open source development or Open Compute Projects (OCP).
- Experience in Python/Go and scripting languages (e.g., shell).
- Experience in modularized servers of high performance and reliability.
- Excellent programming skills in building software test infrastructure, great code comprehesion skills for vendor code review.

About the job

Google's software engineers develop the next-generation technologies that change how billions of users connect, explore, and interact with information and one another. Our products need to handle information at massive scale, and extend well beyond web search. We're looking for engineers who bring fresh ideas from all areas, including information retrieval, distributed computing, large-scale system design, networking and data storage, security, artificial intelligence, natural language processing, UI design and mobile; the list goes on and is growing every day. As a software engineer, you will work on a specific project critical to Google’s needs with opportunities to switch teams and projects as you and our fast-paced business grow and evolve. We need our engineers to be versatile, display leadership qualities and be enthusiastic to take on new problems across the full-stack as we continue to push technology forward.

The ML, Systems, & Cloud AI (MSCA) organization at Google designs, implements, and manages the hardware, software, machine learning, and systems infrastructure for all Google services (Search, YouTube, etc.) and Google Cloud. Our end users are Googlers, Cloud customers and the billions of people who use Google services around the world.

We prioritize security, efficiency, and reliability across everything we do - from developing our latest TPUs to running a global network, while driving towards shaping the future of hyperscale computing. Our global impact spans software and hardware, including Google Cloud’s Vertex AI, the leading AI platform for bringing Gemini models to enterprise customers.

Responsibilities

- Design/develop Software/Firmware running in SoC for boot, security, power management, manageability and other SoC co-processors.
- Develop or review the code for boot services API, NERF/UEFI/linuxboot/ACPI.
- Code review and quality process build up for partner's code upstream.
- Co-work with SoC vendor, JDMs on code quality, and test left-shift to early check on code quality.
- Build/test/release infrastructure development and maintain the release cadence, BIOS release quality.