ALEXANDER HAMLET

SOFTWARE ENGINEER

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I am a senior software engineer with six years of professional experience developing and maintaining services in cloud environments. I have strong problem solving skills and a history of delivering high quality, scalable, fault tolerant solutions to production systems. I am currently a lead developer for General Purpose Google Compute Engine VMs, and I'm seeking an opportunity to learn new skills and grow my career.

WORK EXPERIENCE

Senior Software Engineer L5, Google Compute Engine, Google   November 2024 - Present
- Led development of a GCE VM family, ensured all its product requirements were met
- Resolved a critical bug in the team's QA system that unblocked updates to 10+ VM products
- Led reliability QA for the flagship C4D VM family collaborating with multiple partner teams to permit the product's announcement at Cloud Next 2025

Software Engineer L4, Google Compute Engine, Google   November 2021 - November 2024
- TL for the GCE reliability QA process, reduced the development timeline for new products by 4 weeks
- Collaborated with leadership to determine technical priorities and roadmaps for the past 3 years
- Defined and delegated projects to two junior engineers, ensured their work aligned with team priorities
- Developed automation that manages thousands of the team's cloud resources, reduced toil by 25%
- Created and led the team's oncall rotation ensuring our services are available to customers 24/7
- Implemented the Regionalized Serial Console Service that helped qualify GCE VMs for EU GDPR and US ITAR compliant contracts

Software Engineer L3, Google Compute Engine, Google   July 2019 - November 2021
- Established GCE Metadata Server SLOs and their monitoring process protecting multi-million dollar SLAs
- Analyzed and improved the Metadata Server's security posture protecting customers from potential vulnerabilities

Software Engineer Intern, Xfinity xFi, Comcast-NBCU   May - August 2018
- Refactored domain specific AWS DynamoDB client reducing cache storage needs by 15%
- Implemented dual-window alerts warning when DB request latency could disrupt millions of customers

Student Web Developer, Housing IT, CU Boulder   May 2017 - May 2018, August 2018 - May 2019
- Designed and implemented a service maintenance feature allowing 12,000+ residents to request repairs
- Collaborated with UX/UI researches to help the same residents navigate housing services
- Implemented various frontend changes within the Drupal website using JS, JQuery, and SASS

SKILLS

Go, C++, Python, JS, CSS	Distributed Computing	Technical Leadership
Drupal, JQuery, Sass	Microservice Architecture	Technical Interviews
GoogleSQL, MySQL	Google Cloud Platform, AWS	Planning, Roadmapping
Protobufs, gRPC, REST	Prompt Engineering, MCP	Task Management, Agile
Reliability, Monitoring, SLOs	Critical Incident Management	Technical Documentation

EDUCATION

Bachelor of Arts in Computer Science | Minor in Business   May 2015 - May 2019
University of Colorado Boulder (CU)
- Algorithms, Data Structures, System Design, Obeject Oriented Design, Linear Algebra, Data Science

References Available Upon Request