ERIC LEE

Software Engineer

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Employment

Amazon, Software Engineer L4 - Seattle, WA   **Feb 2022 - Feb 2024**

- Maintained and managed customer data and their associated devices as part of the Alexa Registry team, ensuring data integrity and availability across Alexa services.
- Proficient in leveraging a wide range of AWS tools for development, debugging, and service discovery across cloud-based applications.
- Initiated and led early planning for the Alexa Premises project, unifying smart devices within a premise to enable seamless, logical control for Alexa users.
- Collaborated with dependent Alexa teams to optimize data access patterns, reducing their API call volume to Alexa Registry by 30%.
- Strategized and coordinated a cost-saving initiative to transition legacy Load Balancers to state-of-the-art internal AWS Load Balancers, optimizing efficiency and reducing operational expenses.

vArmour, Software Engineer Intern - Los Altos, CA   **June 2021 - Sept 2021**

- Independently developed and implemented a comprehensive test suite for a new application, ensuring data accuracy and validating the functionality of all features.
- Designed and executed the full roadmap for the internship project, ensuring timely completion and project success.
- Guaranteed the long-term maintainability and ongoing development viability by adhering to standard code practices.

Education

University of California, Santa Cruz   **June 2021**

Bachelor of Science, Computer Science
Cumulative GPA 3.6/4.0

Technical Skills

- Experience in using Python, Java, C++, C, JavaScript, Dart, and Swift.
- 3 years of developing web applications using ReactJS and NodeJS with comprehensive end-to-end testing implemented via Cypress, Selenium and JUnit, ensuring robust UI functionality and user experience.
- Experience in using Front End tools such as HTML and CSS to create responsive applications
- 1 year of experiencing developing scalable functional mobile applications using Flutter

- 3 years of experience working with relational databases using SQL and Firebase, managing data storage, queries, and optimizations for performance.
- Gained 2 years of professional experience utilizing AWS and its tools for cloud computing, deployment, and infrastructure management.
- 5 years experience using Git for version control, including branching, merging, and collaborating on projects using GitHub
- Experience in using Docker for containerization, streamlining development, testing, and deployment processes across different environments.