


Nico Wong

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Skills

Programming Languages: Java, C++, Python, SQL, JavaScript, HTML, CSS
Programming Frameworks: Vue, React, Spring, JUnit, Mockito, Guice dependency injection,
Miscellaneous: Agile, Jira, Git, Linux, CI/CD, ETL, APIs, GitHub, MySQL,
AWS (EC2, S3, IAM, VPC, SG, WAF, CloudWatch, CodeBuild),
NoSQL & SQL graph databases, Terraform, Ansible

Employment

Advocates for Human Potential

March 2023 – Present

DevOps Engineer

- Provisioned cloud infrastructure including AWS RDS, EC2, and security groups via Terraform IaC
- Built end-to-end testing for a JavaScript web application via AWS CodeBuild, S3, and CloudWatch for a team of 7 developers
- Configured AWS EC2 to host WordPress using Amazon Linux, Apache HTTPD Web Server, PHP, and MariaDB via Ansible automation and SSH
- Contributed to development of Vue/Express/Node.js web applications
- Participated in an on-call rotation for website uptime & incident monitoring

Amazon

Sep 2022 – Jan 2023

Software Development Engineer I

- Developed and tested a backend Java API and corresponding business logic which was internally consumed by 6 other software engineering teams and critical to product metadata for Amazon.com
- Maintained an Amazon Neptune graph database management system (GDMS) which stored over two million nodes and edges using the Apache Gremlin graph traversal and query language
- Participated in the full software development lifecycle using Git, code reviews, CI/CD, AWS monitors, and other AWS microservices to deliver highly reliable software meeting high software standards
- Leveraged test-driven development using JUnit, Mockito, Guice, and Apache libraries to write unit, integration, and end-to-end tests for a large-scale Java codebase
- Automated JUnit test report generation by leveraging infrastructure as code which reduced debugging time for a team of 8 engineers every biweekly Agile sprint cycle

Amazon

Summer 2021

Software Development Engineer I, Intern

- Contributed to the convergence of two database systems by developing an ETL which ultimately removed a redundant database system and positively impacted at least 5 engineering teams
- Optimized the ETL algorithm to handle large data processing to convert 300,000 CSV records to 1,000,000 graph nodes and edges within an Amazon Neptune graph database management system

Education

B.S. Computer Engineering, UC Santa Barbara

Graduated 2022

GPA: 3.89
Honors: Dean's List
Coursework: Object-Oriented Programming, Data Structures and Algorithms, Networking, Distributed Systems, Operating Systems, Embedded Systems, Compilers, Advanced Applications Programming, Machine Learning, Artificial Intelligence