

Alexander Fu

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TECHNICAL SKILLS

- **Programming Languages:** C/C++, Java, JavaScript/TypeScript/NodeJS, Python, R, bash, ASM
- **Cloud Platforms:** Amazon Web Services, Netlify, Google Cloud, Firebase, Heroku, SalesForce
- **Web Development:** React, CSS, HTML, JavaScript, GraphQL, Material UI, Bootstrap, JQuery, Canvas, WebGL
- **Databases:** NoSQL, PostgreSQL, MySQL, Oracle
- **Industry Software:** JIRA, Git, IntelliJ, Docker, Adobe Suite, Confluence, MS Office, Tableau, Windows, *nix

PROFESSIONAL EXPERIENCE

Senior Software Engineer - Shopping Domain Technical Lead Audible

July 2018 – present | Newark, NJ

- Lead the design of feature and service architecture, manage development and implementation for Audible's purchasing experience
- Devise and optimize workflows to resolve, mitigate, and minimize global production issues in checkout
- Oversee several continuous integration pipelines following a continuous deployment strategy while improving operational metrics and monitors
- Innovate tools to help engineers debug, reduce operational burden, and de-stress engineer on-call experiences.
- Manage standup, grooming, and sprint planning as ScrumMaster for the Checkout team

Key Accomplishments:

- Led the Purchasing team through the inception, development, operational readiness, and launch of a new subscription tier
- Redesigned and refactored the "Buy Box" display and operating logic and reduced lines of code by 60%, improving maintainability and reducing developer effort of future new features
- Rearchitected "Subscription Confirmation" checkout workflow for more customization and eliminated 88% of customer-facing errors for reduced purchase friction and smoother customer experience
- Reduced operational and on-call workload by 70% and improved average ticket first-contact SLA from 48 hours to 1 hour by creating automated workflows, better monitors, more metrics, and in-depth runbooks for documented issues
- Designed and maintained a seamless SonarQube integration which analyzed every code review company-wide, providing the first line of defense for code quality prior to human reviewers

Software Engineer II iCIMS

July 2017 – July 2018 | Holmdel, NJ

- Developed and deployed Spring Boot microservices, leveraging various CI/CD technologies, such as CloudFormation templates, Jenkins pipelines, and Docker
- Simplified the company-wide code release process by mitigating bottlenecks in the continuous deployment process
- Maintained documentation within the project as well as updated confluence documentation weekly

Key Accomplishments:

- Developed and maintained a frontend microservice capable of providing business analytic insights to platform users regarding job and portal health
- Spearheaded the effort of localizing using i18n and adding accessibility to NodeJS microservices

Senior Consultant - Full Stack rhoCode Consulting

August 2013 – July 2017 | San Diego, CA

Worked for a consulting company that specialized in full-stack development. Job duties included offering primary support for SalesForce and Tableau Products, writing Spring MVC production code, and managing various Oracle databases.

EDUCATION

University of California, Davis
4.0 CS GPA, University Honors Program

2013 – 2017 | Davis

University of California, Berkeley
4.0 GPA, Simultaneous Enrollment

2013 – 2015 | Berkeley