

Cody Pham

Experienced software engineer returning to the workforce after a planned career break.

Contact

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Education

UC San Diego

Bachelor of Science

Computer Science

Technical Skills

Languages:

Java JavaScript

Python TypeScript

Paradigms:

Agile REST

CI/CD Scrum

Cloud Web Services

Work Experience

Amazon

June 2021 – June 2024

Software Development Engineer

- Developed the Amazon Communities mobile and web applications using Java and Typescript to provide a discussion platform and deliver official corporate communications for delivery service partners within Amazon's Last Mile organization.
- Designed high level architecture and API specs for Amazon Communities cross-platform notifications preferences; collaborated with UX designers, managers, and data engineers to analyze usage patterns and resolution strategies for different notification data types.
- Productionalized a sentiment analysis proof-of-concept from singular to variable delivery partner support by modularizing existing APIs and infrastructure; leveraged AWS AppConfig and Amazon Comprehend for improved extensibility and sentiment analysis quality.
- Led cross-functional initiatives between software engineering and business analytics teams to define key user tracking metrics and build real-time data pipelines using DynamoDB Streams and Kinesis Firehose.

Amazon Web Services

June 2020 – June 2021

Software Development Engineer

- Contributed to the AWS Labs core backend platform using Node.js and Go to vend temporary access to AWS accounts and automate account teardown after completion of AWS Training and Certification courses.
- Designed and developed lab session override APIs, scripts, and workflows to enhance operator agility and reliability in the event of fraud and abuse on the AWS Labs platform.
- Onboarded the AWS Labs platform onto CloudWatch Metrics and Logs to enable automated dashboards and self-service alarming for internal Learning Experience Partners.
- Leveraged AWS Lambda, APIGateway, and CloudFormation to create a serverless, high availability platform available for integration with AWS course providers.

Intuit

June – September 2018

Software Engineer Intern

- Co-designed and developed a rebuild of Intuit's employee e-commerce portal in Java and React to streamline the purchase process of TurboTax at discount rates for Intuit's 20,000 employees and contractors.
- Utilized and integrated internal Intuit Commerce Platform APIs to generate, track, and email discount codes, and record profile voucher usage by employees, friends, and family.
- Facilitated end-to-end design requirements with product designers, managers, and engineers to refine web store user flows, requirements, and user stories.

Echo, A HealthStream Company

June – September 2016

Software Engineering Intern

- Developed application plugins in C# to fetch healthcare provider data from state medical board websites into the Echo Credentialing database, which received 16 million queries per year.
- Optimized search features to detect and map aliases for healthcare providers, improving search result accuracy on the Echo database and eliminating repeated requests.
- Redesigned front-end pages in the Echo Access web portal using HTML and CSS to enhance page navigation, which was deployed in 50% of hospitals in the United States.