

Kevin Chou

650-455-9288 | San Mateo, California | this.kevinchou@gmail.com | [Portfolio](#)

Work Experience

6/2022 - Current | Capital One, PXD Team | Principal Associate Software Engineer

AWS, Next.js, Node.js

Build automated slack and email internal notification systems for multiple applications using AWS services: SQS, Lambda, SNS, and Cloudwatch.

Integrate APIs into application to notify users of upcoming various tasks: access approvals, travel & expense reports, computer based training, etc. Design caching system to reduce system load on integrated APIs

9/2021 - 5/2022 | Apple, Special Projects Team | Software Engineer

Typescript, Angular, Rxjs, Cucumber, Puppeteer

Build the automated integration testing suite.

2/2020 - 9/2021 | PG&E, Sherlock Team | Software Engineer

JavaScript, React, Redux, Node.js, GraphQL, AWS

Making California a safer place by building an AI-powered web application for the Drone Inspection & Review Team (DIRT): [WSJ: Sherlock's impact on society](#).

Responsibilities include communicating to business leaders during the 2021 inspection cycle, ensuring ~60,000 high fire tier structures were inspected through the Sherlock web application for the mid year deadline, feature analysis/design/implementation, QA, on-call support, and data analysis.

Inspection and Review Dashboards: Make decisions on implementing frontend components and managing state w/ Redux. Make API decisions on communicating to the backend, database, and other servers with REST and GraphQL.

Testing: 100% unit testing line coverage for both frontend and backend with Jest.

11/2016 - 5/2019 | Willis Towers Watson | Actuarial Developer

Clients: Boeing, Teledyne, Recology, Bank of the West, SVMH, Sierra Club

Developed software to solve actuarial problems. Performed data processing, analysis, validation, and reconciliation, and conducted experience studies. Modeled retirement benefits/liabilities and generated financial reports adhering to ERISA, FASB, GASB, & IAS19 standards.

Education

AWS Solutions Architect Associate (SAA-03)

App Academy | Full Stack Web Development

Society of Actuaries | Exam P, FM, MFE, MLC, Statistics, Finance, Accounting

University of Southern California | Bachelor of Arts in Economics, Music Performance