

# Kevin Chou

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

JavaScript, React.js, Redux, Node.js, HTML, CSS, SQL, PostgreSQL, GraphQL, REST, Unit & Automated End-To-End Testing, Jenkins, Docker, AWS S3/Lambda, Github

## Work Experience

### 2020 - Present | PG&E, Sherlock Team | Senior Software Engineer

**Overview:** Making California a safer place by building an AI-powered web application for the Drone Inspection & Review Team (DIRT). On a cross-functional team of developers, scrum master, designer, and product owner, I contribute as a full stack developer. My responsibilities include: feature analysis/design/implementation, devOps, QA, on-call support, and data analysis. [WSJ article on Sherlock's impact on society](#)

*Inspection and Review Dashboards:* Make frontend decisions on how to display components and how to store state on the client w/ React, Redux, and 3rd party JS libraries. Make API decisions on how to communicate to the backend, database, and other PG&E servers w/ REST, PostGraphile, or custom GraphQL resolver. Make backend decisions on how to query and persist data from table schemas in a relational database.

*DevOps and Testing:* 100% unit testing line coverage for both frontend React and backend Node.js line coverage with Jest. Develop end-to-end automated test suite using WebDriverIO and ChromeDriver. Create/Update Jenkins Jobs to modify data in production used by both developers and users. Configure SonarQube scanning via Docker into Jenkins CI/CD pipelines.

### 2016 - 2019 | Willis Towers Watson | Actuarial Developer & Analyst

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

Developed software in Fortran, Visual Basic and SQL to solve actuarial problems including: data processing, data analysis, data validation, data reconciliation, gain loss analysis, modeling retirement benefits/liabilities, experience studies, and generating financial reports in accordance of ERISA, FASB, GASB, & IAS19.

## Fun Full Stack Projects

[Multi-Go](#) | Created a game server to play variations of the classical game go.

[3d-Minesweeper](#) | Imagined the game minesweeper in three dimensions.

[Want.com](#) | Cloned the style and functionality of the e-commerce website Wish.com.

[Chou-Tree](#) | Visualized familial relationships with old family photos.

## Education

App Academy | Full Stack Web Development

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

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