Sean Chen

Senior Front End Engineer

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WORK EXPERIENCE

Senior Front End Engineer, Blink Charging - May 2022 - Present - Remote

- ❖ Integrated **CASL** library for managing Blink 2.0 web portal user web page **access** and **authorization**
- ❖ Developed new features and resolved bugs using **React** with **Typescript** for Blink 2.0 UI features
- ❖ Researched on migrating existing Blink 2.0 web portal from **monolithic** to **micro frontend architecture**
- ❖ Improved **Bitbucket Pipelines** to include static code analysis with **SonarCloud**
- ❖ Wrote unit tests using **Jest** framework to ensure code coverage and expected application behavior

Software Engineer, Kaiser Permanente - *June 2017 - May 2022* - Pleasanton, CA

- ❖ Implemented new features for kp.org Appointment Center API using **Java** and **Spring Boot**
- ❖ Collaborated with DBA's to create database tables and update stored procedures using **PL/SQL**
- ❖ Reduced technical debt and improved maintainability by fixing **code issues** detected on **SonarQube**
- ❖ Incorporated **Liquibase** for tracking data and stored procedure changes across multiple environments
- ❖ Developed Call Center UI and resolved technical **defects** in a timely manner using **Angular**
- ❖ Wrote Unit tests in **Jasmine** for Frontend and **JUnit** for Backend while achieving ~80% **code coverage**
- ❖ Conducted **code reviews** to ensure **defect free source code** meets **acceptance criteria**

Technical Associate, Kaiser Permanente - *July 2015 - June 2017* - Pleasanton, CA

Established useful technical and business skills through four comprehensive six month rotations within KPIT.

- ❖ Rotation 4 - Cloud Application Services - DevOps Platform and Engineering (Jan 2017 - June 2017)
  - ➢ Integrated **Nexus IQ** and **White Hat** into **Jenkins** for verifying secure application builds
  - ➢ Created **Chef** cookbook to automate provisioning of multiple **Jenkins** shared agents
- ❖ Rotation 3 - Technology Risk Office - Red Team (July 2016 - Jan 2017)
  - ➢ Performed **penetration tests** on web/mobile applications, PCI systems, thick clients, and servers
  - ➢ Successfully exploited DMZ web server using root login and default password with **hydra**
  - ➢ Wrote **python** script to automate cyber security intake requests and validate returned results
- ❖ Rotation 2 - Shared Analytics - Advanced Technologies Group (Jan 2016 - July 2016)
  - ➢ Parsed SAS logs for CPU/Memory usage, time ran, and product used during specified timeframes
- ❖ Rotation 1 - Application Lifecycle Management (July 2015 - Jan 2016)
  - ➢ Integrated a build and deploy pipeline with **Jenkins** and **IBM UCD** for projects stored in IBM RTC

TECHNICAL SKILLS

Primary: TypeScript, JavaScript, React, Jest, Testing Library, Cypress, Postman, Material UI, Sass
Others: bash, git, Jira, Confluence, Bitbucket Pipelines, Java, Spring Boot, JUnit, SQL

EDUCATION

California State Polytechnic University, Pomona, *Master of Science in Computer Science*, 2016
University of California, Santa Barbara, *Bachelor of Science in Computer Science*, 2012