

TERENCE LIM JUN CHAI

WORK EXPERIENCE

SENIOR FULL STACK SOFTWARE ENGINEER (AST MGR), PRUDENTIAL

03/2020 - 05/2022

- Created new product journeys in the single page application (SPA) with highly reusable components using Angularjs (NgDirectives), Reactjs (React Hooks, Classes), Javascript, Typescript, SCSS, Libraries (Webpack, Babel) to improve the performance and reliability of our application.
- Created new RESTful API services and microservices to enable product journey using Java 8, Spring Boot, Maven, Hibernate, Junit and Mockito in a linux scripting environment to interact with an Oracle PL/SQL database.
- Worked within an agile team using SDLC framework, using JIRA and Confluence to prioritize and scope work requests for the front end, mentored junior developers via pair programming and coaching with Bitbucket, provided estimates using T-shirt sizing for front-end deliverable and ensuring schedules are met early or on time.
- Initiated improvements in the security and reliability of our devsecops/devops (CI/CD) pipeline by integrating SAST (Fortify) and OSS (Nexus IQ) in our Azure Kubernetes Service cloud setup and targeting to automate and resolve all security findings by the end of year.
- Initiated Jest unit testing for front-end web components and targeted to achieve 70% coverage by the end of the year, driving for test driven development (TDD).

LEAD SOFTWARE ENGINEER, OBJECTIVE EYE TRACKING

08/2018 - 01/2020

- Collaborated with in-house UX experts to advise clients on digitizing existing physical workflows onto entirely new digital systems.
- Led a team of 2 Front End Developers using ReactJS, Redux and React Router to deliver working prototypes for clients using local JSON as a configurable data source.
- Accomplished a 3-month project within a month using vanilla JS, CSS and successfully secured consecutive enhancement projects due to client confidence and trust in the team.
- Built RESTful APIs using .NET Core, and created an in-house video recording application using PHP, NGINX and FFmpeg to optimize the video recording speed. Deployment and storage done using various AWS cloud services such as EC2, Route 53 and S3.

INNOVATION MANAGEMENT CONSULTANT, DBS

05/2017 - 11/2017

- Conceptualized ideas through market analysis, user requirements.
- Conducted market studies through user interviews and studies.
- Designed rapid prototypes with UX emphasis in an agile environment.
- Collaborated with developers, product owners, designers and business users.

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)

08/2014 – 08/2018

- Bachelor of Computing in Information Systems.
- Specialization in Service Science, Management & Engineering (SSME).

SKILLS & INTERESTS

- Language Skills: English (Advanced), Chinese (Advanced)
- Project Management: Jira, Sourcetree, Confluence
- Web Stack: CSS3, SCSS, HTML5, ReactJS, AngularJS, Javascript
- Database: MSSQL, MongoDB (NoSQL), PL/SQL Oracle
- ORM: Hibernate
- Testing Frameworks: Junit, Mockito, Jest
- Backend Stack: Java Spring Boot, .Net, .Net Core, NodeJS
- Cloud Technologies: AWS Cloud Stack, Azure (IaaS)
- User-Centered Design: Design Thinking, Prototyping, Ethnography
- CI/CD: Jenkins, Kubernetes, Docker
- Security Testing: Fortify Static Code Analyzer, Nexus OSS Scan
- Monitoring Tools: Kibana, Grafana
- Cloud: AWS Cloud stack, AKS