Eric Jiang

Test Engineer, Pixel Security,
Pixel Software, Google

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Intro

Technology has been rapidly growing and is at the forefront of bringing change. I've always wanted to build awesome, delightful and secure products which impact everyone's lives.

Experience

Google, Dec 2020 - Present

Test Engineer (Pixel Software Security (PSS), QMC, Pixel Software)
- Built up and deployed test infra for team to help run automated testing
- Lead development of test dashboard for team from idea to current-use with issue reporting, test healthiness analysis and auto-alerting
- Ensuring Pixel Security features are of high-quality and meet quality standards, specifically Biometrics data pipelines.

Google, Apr 2020 - Dec 2020

Test Engineer (Script Automation, QMC, Pixel Software)
Tech Stack: Kotlin, Android
- Developed modern version of internal tool that automates running test packages offline, without an adb connection on Android devices and improves test packages closer to real world scenarios

Monash University, Apr 2019 - Nov 2019

Software Engineer (Google Cloud)
Tech Stack: ReactJS, Spring, Firebase, Google Cloud, Electron, SPAs

- Lead the development and replatform of the Student Booklist App and Bulk Messaging Service as part of the University's Cybersecurity Uplift Project to reduce risk across legacy systems
- Designing the new cloud architecture and incorporating microservice serverless architecture (standalone frontend w/ Google Cloud Functions) proof-of-concept into the Bulk Messaging Service
- Actively building software using modern technologies (such as React, MERN stack, Electron and SPAs) and methodologies (such as Cloud Build for CI/CD) and using learnings to enhance delivery and influencing architecture design of future products.
- Optimisation and enhancing the delivery and support of various cloud apps such as MonPlan and aMigo through DevOps, monitoring and automation, as well as refactoring core code in addition to developing new and enhancing features.
- Designed and Built Rich Text functionality and generic react component that embeds youtube videos upon detection of a youtube link within a post in Amigo to help enrich and engage more with users.

- Designed SPA with integration to the university's enterprise auth system Okta using OpenID Connect (OIDC) and PKCE authentication strategy used in conjunction with Firebase Auth which allows the modernization of newer systems.

Monash University, Dec 2016 - Mar 2019

Junior Software Engineer | MonPlan Founder & Tech Lead
Tech Stack: ReactJS, Spring, Firebase, Google Cloud, NodeJS

- Successfully founded and delivered MonPlan from ideation all the way up to an enterprise production application through the multi-million dollar, high-profile Student First program. Which delivered impact to 70000+ students and around 300+ staff. The application enhanced the business processes and the student experience.
- Finalist and Winner for itnews 2019 Benchmark Awards - Rising Star Category which is a National Award which recognizes a young IT professional who displays exceptional promise and has already clocked up impressive achievements.
- Mentored other student development teams which successfully delivered products like SwapMe (class swapping application) and Project Portal (Final Year Project management platform for the Faculty of Engineering) which delivered impact to over 70000+ students, and overhauled existing tedious processes.
- Initially managed a team of 4 students eventually grew to a team of 12 students, delivering 2 products. Which launched a second product from inception to MVP demo to prospective students at Open Day 2018 within 2 months. Whilst working alongside and managing stakeholders from other departments such as Central Marketing (SMC) and Student Education and Business Services (SEBS)
- Platform and Backend Engineering - integrations with Student Management System via Monash Central APIs, Sendgrid Integration, SRE and Google Cloud Platform Architecture and Service Design which improves delivery of accurate data.
- Improved Security of product through CSRF, XSS, CSP protection implementation, as well as a 'maintenance' mode which improved overall security of platform, with approval from the University's security team within a week from request.

Localz, Dec 2017 - Feb 2017

Intern | Software Engineer (Mobile - React Native)
Tech Stack: React Native, Android

- Designed and Built various React Native (RN) Components as part of the customised highly reusable UI framework for mobile app(s). These components were designed to be highly customisable through internal APIs which allowed components to be reused.
- Designed and built various components for react-native applications which are highly reusable and maintainable through OO Design, ReactJS and Redux Principles, such as the introduction of a modal stack into the core framework of the app.

Education

Monash University, Feb 2016 - Dec 2019

Bachelor of Information Technology
Majoring in **Computer networks & Security**

Awards

2019 itNews Benchmark Award - Rising Star Category, Mar 2019

A young IT professional who displays exceptional promise and has already clocked up impressive achievements. Emerging IT pros who have demonstrated technology success and excellence. This is a national award (Australia).

REFERENCES AVAILABLE UPON REQUEST