JASON DÊN

Full-Stack Developer | AWS Certified SAA

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SUMMARY

Full-Stack developer with web, mobile, and desktop experience.

AWS Certified Solutions Architect – Associate

EXPERIENCE

Full Stack Developer (MERN)

SpareStaff

📅 11/2020 - Ongoing   📍 Sydney, Australia

SpareStaff connects companies to trade their spare staff resources.
- Build frontend pages with Next.js, React, and Ant-Design components.
- Build RESTful-API with express.js, Node.js, and MongoDB.
- Build admin batch email sending with Mailgun and Nodemailer.

Full Stack Developer Intern (C#)

Sam.Coach

📅 09/2020 - 10/2020   📍 Sydney, Australia
- Develop UI with Blazor, API with C# .NET Core, Azure search, and MS SQL.
- Help the interns on debugging and on-boarding.

Application Developer - MacOS & iOS

XMind Ltd

📅 04/2017 - 10/2017   📍 Shenzhen, China

Lighten for MacOS, XMind for iOS - Commercial mind map softwares that serve millions of users and receive multi-awards from App Store.
- Optimise performance, leading to 40 times faster operations speed (zoom-in/out, drag, etc) than original.
- Design and implement graphic interaction features (drag and release etc) using CoreGraphic.
- Build UI from scratch: page-routing, file management page, transition animation using Swift, GCD, CoreGraphic, UICollectionView.

PROJECTS

SunshineWaiter - Restaurant Order Management System

(High Distinction) Master of IT capstone project, a **15,000+ Lines-of-Code project** built with MERN stack and RESTful API.
- Design 80% of all functionalities, including menu management, order placement, order fulfilment, and staff management.
- Implement 48 API requests using Express.js (Node.js), 98% bug free.
- Implement role-based access control (RBAC) using JWT, protecting all API endpoints.
- Rapid prototyping with Balsamiq for the whole system within 2 days.
- Apply agile sprint with JIRA in a team of 4, being a leader and coach for teammates on requirement scoping, API implementation, and full-stack development.

Marketplace App

A marketplace mobile app for sellers and buyers to trade and negotiate second-hand products, built by React Native. View demo here.
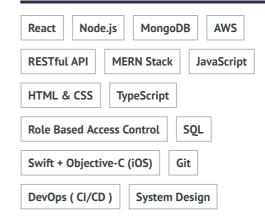
STRENGTHS

Code Quality

1. 100% test coverage on APIs in the project of SunshineWaiter, which achieved a 98% bug-free rate on front-end. The rest 2% was caused by requirement changes.
2. Continuous improvement - I put effort into controlling complexity and coupling. Refactoring occupies roughly 25% of commits in current work.

Documentation

Driven by the will to serve, I create documents to help. Here are some examples:
1. Most APIs have Postman collection
2. Complicate APIs have videos illustration
3. Complicate UI components have live demos.
4. During the maintenance on Lighten, a legacy project, I create UML Diagrams and other docs, which cut 50% of the onboarding time for 3 new engineers.

SKILLS

| React | Node.js | MongoDB | AWS |

| RESTful API | MERN Stack | JavaScript |

| HTML & CSS | TypeScript |

| Role Based Access Control | SQL |

| Swift + Objective-C (iOS) | Git |

| DevOps (CI/CD) | System Design |

EDUCATION

Master of IT

University of New South Wales

📅 07/2018 - 06/2020   📍 Sydney, NSW
- **Average 73/100 (nearly Distinction).**
- Courses include web development, algorithms, programming design, and operating system.