JASON DÊN

Full-Stack Developer | AWS Certified SAA

+61 478-099-095

jason.den.cloud@gmail.com

www.jasonden.com

EXPERIENCE

Full Stack Developer

Servian 04/2021 - Ongoing   Sydney, Australia
- Image detection with AWS Rekognition
- Data transformation with Python, .Net core, MySQL, MSSQL

Full Stack Developer (MERN)

SpareStaff 11/2020 - 04/2021   Sydney, Australia
- Frontend: TypeScript, React, Next.js, search-UI
- Backend: RESTful API with express.js, Node.js, MongoDB, PostgreSQL
- CI/CD: github webhook, vercel, Heroku, AWS
- Single-handedly build a search engine with ElasticSearch within 2 months. The search engine has following features:
  - filter-riched, including geolocation-radios, available date, skill-keyword, hourly rate, category.
  - lightning-fast (most are within 50~200ms)
  - highly scalable and available (host on cloud with auto-scaling and graceful failover)
  - tuned ranking scheme with linear/logarithmic boosts on search relevance, review rating, item quality score.
- Build campaign email editor, email campaign batch sending, subscription management, with React, Mailgun and Nodemailer.

Full Stack Developer Intern (C#)

Sam.Coach 09/2020 - 11/2020 Sydney, Australia
- Develop UI with Blazor, API with .NET Core, MSSQL, Azure search.

Application Developer - MacOS & iOS

XMind 04/2017 - 10/2017 Shenzhen, China
- Optimise performance, leading to 40 times faster operation speed (zoom in/out, drag, etc) than original.
- Build UI from scratch: page-routing, file management page, transition animation using Swift.

PROJECT

SunshineWaiter (MERN)

(High Distinction) Master of IT capstone project, a 15,000+ Lines-of-Code restaurant order management system project built with MERN 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 using JWT, protecting all API endpoints.
- Rapid prototyping with Balsamiq for the whole system within 2 days.

SUMMARY

- Full-stack experience with strong product sense. Prototype a search engine demo including data generation within a week. Finish a full search engine within 2 months using ElasticSearch, well exceeding expectations.
- Write readable and maintainable codes with short-term needs and long-term benefit in mind. Initiate gradual TypeScript adoption, which significantly reduce # of "easy" bugs.

STRENGTHS

Code Quality

- 100% end-to-end autotests withJest and Supertest coverage on API I build in SpareStaff
- Initiate partial adoption of Typescript on both frontend and backend in SpareStaff
- 100% test coverage on APIs in SunshineWaiter project (postman), which achieved a 98% bug-free rate on the front-end. (SunshineWaiter)

Documentation

- Use GitHub repo as an experiment report.
- Brainstorm design idea with stackblitz live demo.
- Create UML Diagrams and other docs, which cut 50% of the onboarding time for 3 new engineers for a legacy project (XMind).

SKILLS

React Node.js MongoDB AWS **RESTful API MERN JavaScript TypeScript** HTML & CSS SQL **Git**
Swift + Objective-C (iOS) 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, (in)formal methods, and operating systems.