Jack Lee

Full Stack Developer

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Education

Bachelor's degree in Computer Engineering
From October 2010 to September 2014
The Open University of Hong Kong Kowloon City District, Kowloon Peninsula, Hong Kong

Work experience

Sr. Full Stack Developer
From April 2019 to December 2022 Custom D Sydney, Australia

Key Qualifications & Responsibilities

- Developed APIs for vehicle subscriptions, remote services, and monitoring services, and deployed them in the AWS Cloud using Docker containers.
- Mentored and trained a team of 7 junior to mid-level developers in Microservices Development using NestJS.
- Developed the frontend that allows the users to book and receive an instant booking confirmation by email with their reservation details using React/Next.js
- Used MVC framework for implementing Model-View-Controller (MVC) architecture at the Web tier level to isolate each layer of the application so that the complexity of integration will be reduced, and maintenance will be very easy.
- Developed DApps for different industry customers like Game, Insurance, Supply chain, Finance with MERN stack and Web3.
- Liaised with back end developers, front end developers, quality assurance testers, and CTO as needed.
- Planned, wrote, and debugged web applications and software with complete accuracy.

Key Achievements

- Spearheaded transition from LAMP stack to MERN stack, reducing latency by 40% and increasing database admin effectiveness by 20%.
- Increased customer rating and satisfaction from 30% to 45% by choosing correct tech stack and implementing new ideas in smart contracts for NFT minting.

Sr. Backend Developer
From April 2017 to February 2019 Razer Inc 183 Queen's Road East, Hong Kong

Key Qualifications & Responsibilities

- Developed full-blown features with back-end tools such as JavaScript, TypeScript and Node.js, and AWS cloud services such as Lambda and S3.
- Designed and wrote Node.js modules. Built an Express.js and Socket.IO web server. Programmed Node.js workers, communicating via RabbitMQ.
- Managed, optimized, and updated PHP databases as necessary.
- Developed app integration with REST / SOAP and other APIs for Google Maps, social media logins, payment processors, and other services.
- Made unit tests and performance tests. Refactored code. Scaled out the system.
- Collaborated with 2 different development teams on 4 new project designs and feature improvements.

Key Achievements

- Increased daily traffic from 60% to 80% by restructuring existing backend to improve the code quality, speed and user experience and incorporated SSR, SEO techniques.
- Developed a microservices-based architecture with Node.js, Kubernetes, Docker, MySQL/PostgreSQL, and Elasticsearch for 15 online platforms that serve 1.5M users hourly.

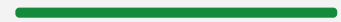## Web Skills
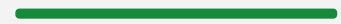
Tailwind CSS

JavaScript

TypeScript

React

Redux

Next.js

React Native

Angular

Vue.js

Node.js

Nest

Golang

Python

Kubernetes

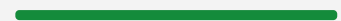**Rust**
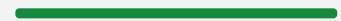
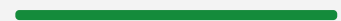**GraphQL**

Restful API

AWS
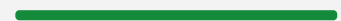
Lambda

SQS
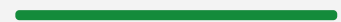
API Gateway

MongoDB

MySQL

Work experience

Jr. Frontend Developer
From January 2015 to March 2017
Daydaycook Sheung Wan, Hong Kong Island, Hong Kong

Key Qualifications & Responsibilities

- Implemented websites, mobile applications, and landing pages from concept through deployment.
- Analyzed and optimized performance bottlenecks in 8+ existing back-end systems, such as database queries and storage solutions, to increase responsiveness.
- Standardized all output with a new, responsive, mobile-first approach and strategy.
- Assessed UX and UI designs for technical feasibility.
- Developed standard and ad hoc reports in graph format as required.
- Collaborated with 3 SRE teams of 6 to identify issues and increase the stability, performance, and efficiency of private computing services.
- Collaborated with product team members to implement new feature developments.

Key Achievements

- Implemented new responsive, mobile-first approach which increased mobile traffic by 20%.
- Added an additional average of 25% increase in annual company revenue with an average of 15 clients per month.

Blockchain Skills

Solidity

Rust

Move

Smart Contract

Web3.js

Hardhat

Ether.js

Languages

English

Chinese

Social networks

@BestCryptoKnight

@Jack Lee