KAI WANG

Senior Full Stack Developer

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SUMMARY

Enthusiastic Senior Full Stack Developer with 10+ years of hands-on experience in designing, developing, and implementing web and mobile applications and solutions using various technical stacks and programming languages. Committed to delivering high-quality software solutions and staying updated with industry trends. Strong leadership, problem-solving, and coding abilities. Seeking opportunities to contribute to a forward-thinking organization.

EDUCATION

B.S. in Computer Science

Hong Kong Polytechnic University (PolyU)

📅 2011 - 2015

EXPERIENCE

Senior Full Stack Developer

Fortunes Tech

📅 05/2022 - Present   ⚲ Liverpool, England

- Mentored and provided technical guidance to an engineering team of 10+ members.
- Spearheaded the transition of online meeting platform from **PHP, DailyJS** old stack into modern **Angular, Python Flask, and LiveKit**-based architecture, resulting in a remarkable 300% increase of client company's revenue.
- Implemented high-performance RESTful API endpoints using **Node.js** and **Nest** Framework.
- Designed **Postgres** database for microservices and optimized its performance by implementing advanced indexing strategies and query optimization.
- Led and participated in the development of various web and mobile applications including Renude, Relik and Droneblocks using cutting-edge technologies, including **Angular**, **React**, **React Native**, **Next.js**, **Node.js**, **Golang**, **Python**, and **Laravel**.
- Actively contributed to code reviews, ensuring code quality, maintainability, and adherence to best practices.
- Strong background in cloud computing, including **AWS**, **GCP**, **Docker** and **Kubernetes**, proficient in designing and implementing cloud architectures, deploying and managing applications.
- Worked on CI/CD tools like **Jenkins** to automate the build process from version control tool into testing and production environment.

Lead Frontend Developer

TecPal Ltd.

📅 03/2020 - 04/2022   ⚲ Hong Kong

- Collaborated with design team to create a **custom JavaScript UI framework** used across the company's internal projects, which improved development efficiency by 30% and ensured consistent branding and UI across the application.
- Led the end-to-end development process, including database design, frontend and back-end development, and **AWS deployment**, utilizing **Node**, **Angular**, **React**, **React Native** and **MongoDB** as the tech stack.
- Overcame the challenge of limited payment integration options in Malaysia by conducting extensive research and selecting the best available service.
- Successfully delivered the MVP within a tight timeframe of just 6 months, ensuring its successful adoption by customers who are actively utilizing the platform's car and motorcycle lending services.
- Developed **BOTs** for car renting and property management services using **Chatfuel**, **Facebook**, and **Dialogflow BOT frameworks** for Facebook Messenger.
- Worked on managing the **Git workflow**, reviewing the completed tasks and conducting the code reviews.

Senior Web Developer

Fortex

📅 06/2017 - 02/2020   ⚲ Palo Alto, CA, USA

- Worked with a team of developers to migrate the existing UI from **AngularJS** to **React**, adding an extensive list of new features, **unit** tests and **e2e** tests for all features, key users, and roles.
- Implemented microservice architecture to upgrade efficiency of CRM system by 40%.
- Integrated a third-party identity service, **OKTA**, and related UI flows, including account activation, login, forgot password, and session management using JWT, token validation, and session cookies.
- Assisted in enhancing the schema for a **RESTful API** to optimize its consumption by **Apollo Client**.
- Revamped the entire components and pages following the new Figma designs.
- Supported the CTO with various management tasks as high-level architectural decisions.

EXPERIENCE

Full Stack Developer

Pixo Punch

📅 11/2014 - 05/2017   📍 Hong Kong

- Spearheaded the frontend development of ecommerce web applications using **React**, **Redux**, **Typescript**, **MUI**, **Bootstrap**, **SCSS**, etc.
- Refactored the client-side of applications into a reliable SPA architecture.
- Provided seamless user interface, kanban board, data visualizations, and designed overall user experience.
- Wrote high-quality code which covered 100+ **unit** and **e2e** tests to verify the functionality of UI components and overall workflow.
- Stayed updated with the latest **React** and **React Native** trends and libraries to enhance the app's competitive edge.
- Provided powerful support to senior developers after becoming proficient in **React** and frontend technologies, resulting in a stronger, more efficient tech team.

Web Developer

GreenTomato

📅 11/2012 - 10/2014   📍 Hong Kong

- Developed the performance analytic tools utilizing **PHP frameworks** with senior developers, and focused on standard workflow & best practices.
- Learnt efficient work culture including **Git** and **Agile** methodologies
- Increased site traffic by providing user-oriented visuals and features using programming languages, including **JavaScript** and **PHP**.
- Utilized tools like **LESS** and **SASS** for CSS development.
- Developed **iOS** & **android** mobile applications from scratch to deploy.
- Participated in the bootcamp sessions to learn and implement **JavaScript** and **PHP** framework basis.

SKILLS

| React | React Native | Next.js | VueJS | Angular | Redux | SCSS | Material UI | Tailwind CSS |

| Storybook | Jest | Cypress |

| Node.js | ExpressJS | NestJS | Golang | Python | Django | Flask | Laravel | Go | MySQL |

| PostgreSQL | Elasticsearch | GraphQL | MongoDB |

| Docker | Kubernetes | Azure | AWS | Google Cloud Platform |

CERTIFICATION

React Expert Certificate
Hackerrank

AWS Certified Solutions Architect
Testdome

Backend Developer Certificate
Triplebyte

FREELANCING

⚡ **Freelance Full Stack Developer**   📅 10/2010 - 10/2012
Upwork