Jun Xie

Entry-Level Full Stack Developer

Experienced full-stack developer with a strong background in Agile methodologies, Specialising in both web and mobile applications. Proficient in creating efficient backend solutions and intuitive frontend interfaces.

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WORK EXPERIENCE

Fillmula Inc.

Software Engineering - Intern

Guangzhou, China | Dec 2021 - Jun 2022

- Contributed to the development and maintenance of an open-source ORM project, Optimising data modelling, validation, and CRUD operation logic, which improved performance by 25%.
- Optimised scalability and performance for handling complex data structures, enhancing data processing efficiency by 30%.

Weilang Network Technology Inc

Full-Stack Developer - Internship

Guangzhou, China | Dec 2020 - Mar 2021

- Collaborated with clients to define requirements and developed backend solutions, including API development for data storage and retrieval, resulting in a 29% increase in efficiency.
- Contributed to frontend development for web and iOS applications, visualising data based on user specifications.

PROJECTS

Mobile Application For Supermarket

- Developed a mobile application with HTML, CSS, JavaScript for an Asian supermarket, enhancing operational efficiency and adopted by 5+ stores.
- Implemented a NoSQL database for scalable data storage and integrated local caching to improve user experience in managing account information.
- Developed key features such as user order uploads, order status modifications, and customer order retrieval.

Web-Based Solution for Best Practice Medical Software

- Utilised pymssql to execute SQL queries, enabling interaction with a Windows SQL Server database used by the Best Practice medical system.
- Developed SQL queries based on client requirements to extract necessary data from the Best Practice database.

SKILLS

Front-end stack

- HTML
- CSS
- JavaScript
- React
- TypeScript
- Swift

Back-end stack

- Python
- Java
- RESTAPI
- NodeJs
- SQL
- NoSQL

DevOps

- AWS
- GIT
- Jira
- Docker

EDUCATION

Master of Information Technology

University of New South Wales

Sep 2022 - Jan 2024

Sydney, Australia

Bachelor of Software Engineering

Monash University

Mar 2018 - Jul 2022

Melbourne, Australia

- Built RESTful APIs using APIFlask to manage data requests and streamline backend-frontend communication.
- Integrated backend data with a React frontend, presenting information in user-friendly formats such as tables and graphs.

Diverse End-Users Research

- Conducted comprehensive surveys and literature reviews to identify biases among user groups.
- Developed a web application with features designed to provide developers with insights into supporting special user groups.
- Utilised Flask for backend development to create APIs, and connected to MongoDB for data storage, managing detailed information on various user groups.
- Engineered a user-friendly React interface to display backend data, leading to its highlight at COMPSAC 2022.

Portal Website For VMCH

- Designed and developed a high-fidelity interactive prototype using Figma, tailored to meet specific client requirements.
- Conducted data extraction and analysis from client-provided databases to ensure accurate and relevant information was Utilised.
- Built the frontend using WordPress, aligning it with the Figma prototype to deliver a seamless user experience and accurate data presentation.