Jun Xie

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OBJECTIVE

Experienced full-stack developer with a strong background in Agile methodologies, specializing in both web and mobile applications. Proficient in creating efficient backend solutions and intuitive frontend interfaces. Skilled in Java, JavaScript, TypeScript, Python, and Swift. Familiar with SQL and NoSQL databases.

EDUCATION

Master of Information Technology
University of New South Wales, *Sydney, Australia*   **Sep 2022 - Jan 2024**

Bachelor of Software Engineering   **Mar 2018 - Jul 2022**
Monash University, *Melbourne, Australia*

WORK EXPERIENCE

Software Engineering - Intern   **Dec 2021 - Jun 2022**
Fillmula Inc., *Guangzhou, China*
- Contributed to the development and maintenance of an open-source ORM project, focusing on optimizing data modeling, validation, and CRUD operation logic.
- Enhanced data validation rules and model design to improve the framework's performance and scalability in handling complex data structures.

Full-Stack Developer - Internship   **Dec 2020 - Mar 2021**
Weilang Network Technology Inc, *Guangzhou, China*
- 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, visualizing data based on user specifications.

ACADEMIC PROJECTS

Mobile Application For Supermarket
- Independently developed a mobile application to streamline online order management for Asian supermarket, enhancing operational efficiency using HTML, CSS, and JavaScript.The application has been deployed and is actively used by stores in Australia.
- Implemented key features, including user order uploads, order status modifications, and customer order retrieval.
- Used a NoSQL database for flexible and scalable data storage, and integrated local caching for enhanced user experience by managing account information efficiently.

Web-Based Solution for Best Practice Medical Software
- Utilized 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.
- 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.
- Visualized backend data in a user-friendly React interface and presented findings 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 utilized.
- Implemented the frontend using WordPress, meticulously aligning with the Figma prototype to provide a seamless user experience and precise data presentation.

SKILLS

Technical Skills:

- Python
- JavaScript
- Swift
- Flask
- RESTful API
- MongoDB

- Java
- React.js
- Node.js
- MySQL
- HTML
- CSS

Interpersonal Skills:

- Collaboration
- Communication
- Problem Solving

- Adaptability
- Time Management
- Critical Thinking

INTERESTS

Swimming, badminton, video games, and fitness.