Mengyun Xie

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Full-stack Software Engineer with 4+ years of work experience, seeking full-time Software Engineer roles

Work Experience

Software Engineer Intern   Sep 2024 – Dec 2024
IpserLab LLC   Mountain View, CA
- Developed LindoFlex e-commerce platform's customization features using React, Spring Boot, and PostgreSQL, enhancing platform flexibility, scalability, and user experience
- Implemented comprehensive unit testing and GitHub Actions CI/CD pipelines, reducing deployment time by 30% and eliminating critical production bugs

Software Engineer   April 2018 – July 2019
Sunsea Internet of Things Technology Co., Ltd.   Shenzhen, China
- Led a front-end team to develop a B2B IoT Device Management System with React, Redux, and TypeScript, delivering a scalable IoT platform, empower IoT management capabilities, resulting in a 19% increase in user engagement
- Spearheaded front-end technology stack selection and cross-departmental collaboration while providing leadership to team members, resulting in the successful delivery of a feature-rich platform that aligned with critical business requirements.

Software Engineer   Aug. 2016 – Mar 2018
Shenzhen Andmobi Technology Co., Ltd.   Shenzhen, China
- Developed a modular Education Management System website using React, optimized the interaction logic, lazy loading, code restructuring, achieving an 10% performance boost and significantly improving user experience
- Implemented and designed a mobile course system app using React Native with over 100 features, including chat and video functionalities, resulting in a 20% increase in new user registrations and improved the overall learning experience

Projects Experience

IoT Device Management System - Work Project   April 2018 – July 2019
- A B2B IoT platform for device management, utilizing gRPC for API security, MQTT for real-time device communication, Redis for fast state access, and Kafka for data streaming to Cassandra for scalable and reliable long-term storage
- Led the front-end team, architecting the system with TypeScript, React, React Router, and Rematch for state management, and integrated multi-language support via React-Intl to optimize performance and enhance user experience
- Implemented YApi for mock API testing, established Prettier for code formatting, and set up a CI/CD pipeline with Jenkins to automate testing and deployment, reducing bugs by 80% and deployment time by 35%, ensuring robust, maintainable, and scalable system

Passerby Diary Project - Full Stack   Sept. 2023 – May 2024
- Architected a responsive diary application using React, Redux for the front-end with Spring Boot microservices backend, enhancing user engagement and enabling seamless diary creation and sharing
- Designed a microservices architecture with Spring Cloud and Eureka, ensuring modular development and scalability, and implemented Docker for containerization and Spring Security with JWT for secure authentication
- Established a robust development workflow with GitHub Actions CI/CD pipelines that automated testing and deployment to AWS EC2 instances, while utilizing MySQL and MongoDB for efficient data storage

Education

Northeastern University, Seattle, WA   April 2025
Master of Science in Computer Software Engineering (GPA: 3.95)
Courses: Data Science Engineering with Python, Algorithms, Operating Systems, Data Management and Database Design

Minnan Normal University, Zhangzhou, China
Bachelor of Engineering in Electrical Engineering and Automation
Honors: Outstanding Graduates (Top 5%)

Technical Skill

Languages:	Java, C/C++, Swift, JavaScript/TypeScript, Python, SQL, HTML/CSS, XML
Framework/Technologies:	Spring, Spring Boot, React, Angular, Vue, Node.js, Express.js, Rest API, MySQL, MongoDB, PostgreSQL, MyBatis, Redis, Kafka, OOP/OOD, TCP/IP, Machine learning, Microservices
Cloud & DevOps:	AWS, GCP, Microsoft Azure,Git, Maven, Docker, Kubernetes, Tomcat, Nginx, Postman, Linux, A/B testing, CI/CD, JUnit, Mockito, Jenkins, Jira, Agile Methodologies