Hanfei Qu

Software Engineer

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Accomplished Full Stack Developer with robust experience in backend and frontend development, specializing in Java and Python. Demonstrated proficiency in adapting to new technologies and environments, with a strong emphasis on security, data management, and user experience. Committed to improving application performance and scalability through innovative solutions and effective integrations.

Experience

Software Engineer - Identos Inc   *2021 - Present*

- Pioneered the integration of User-Managed Access (UMA) & OAuth principles, significantly enhancing security standards and user autonomy within applications.
- Played a pivotal role in building and launching a minimum viable product for the UK Pension Dashboard program, receiving commendations for integration efficacy and stakeholder satisfaction.
- Led the development and implementation of an IAM solution with fine-grained access control, integrated with a FHIR instance, streamlining development cycles and enhancing data security.
- Instrumental in developing a comprehensive automation suite that enhanced testing efficiency and software development processes, deploying across Kubernetes environments.

Backend Java Developer - Big Data Research Lab   *2019 - 2020*

- Specialized in the design and deployment of robust backend APIs, improving system efficiency and stability.
- Successfully migrated applications from local environments to cloud services using Docker, optimizing scalability and performance while managing monitoring and deployment tasks.

Key Achievements

- Developed and maintained a health recommendation app's backend, handling user data management, payment processing, and notification services, which included article recommendation and online shopping integration.
- Delivered a pioneering MVP for the PEI program, effectively coordinating with cross-functional teams for successful deployment.

Education

Arizona State University   *2021-2022*

- Master of Computer Science - Big Data concentration
- GPA: 3.83

University of Waterloo   *2014-2018*

- Bachelor of Computer Science

Skills & Tools

- Spring Boot, MySQL, Python
- React, PHP
- Kubernetes, Jenkins, Selenium
- Git, Jira, OpenAPI

- Security and Data Protection
- API Development and Integration
- System Migration and Cloud Services
- Project management and Leadership