

Xinan (Ian) Yang

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Location: London UK; Open to Relocate

Summary

A hard-working recent graduate with a strong foundation in data structures, algorithms, OOP, OS, and computer networks, with project-based proficiency in full-stack development and database management. Eager to apply technical expertise and problem-solving skills in a software engineering role.

Education

Queen Mary University

Sep. 2022 - Sep. 2023

MSc Computing and Information Systems

London, UK

• Core Modules: Software Engineering, Database Systems, Computer Systems and Networking, Data Analytics, Cybersecurity and Authentication, Interactive System Design.

Chang'an University

Sep. 2016 - Jul. 2020

BEng Engineering Management

Xi'an, China

• Core Modules: Management Information Systems, Statistics and Probability, Systems Engineering, Building Information Modelling, Advanced Mathematics, Project Management.

Projects

• High-Concurrency E-commerce Platform with Flash Sale Feature (Ongoing)

Description: Developing an e-commerce platform based on Java and Spring Boot, capable of high-concurrency scenarios such as flash sales.

Technology stack: Thymeleaf, Bootstrap, JQuery, Spring Boot, Mybatis, RabbitMQ, Redis, Druid

Key achievements: Utilise multi-threading, Redis for stock management, and RabbitMQ for asynchronous order processing; Reduce Redis requests by Local Memory Tag; Implement caching and static pages in the frontend to enhance user experience and increase QPS.

• Distributed Key-Value Storage System with Raft

Description: Developed a strongly consistent distributed Key-Value storage system with high availability based on the Raft consensus algorithm.

Key achievements: Implemented Raft consensus algorithm enabling Leader Election, Log Replication and Snapshot Updates; Implemented data sharding based on Multi-Raft architecture, with the ability to migrate across multiple Raft groups.

• Vaccine Booking Website

Technology stack: MongoDB, Express, React, Node.js, Bootstrap, CSS, HTML

Description: Developed a full stack web application with MERN stack where users can CRUD their vaccination bookings. Implemented user authentication with JWT to ensure security.

• Built with MERN stack a responsive interface styled by Bootstrap.

Professional Experience

Admin Assistant, Loon Fung Ltd, London, UK, Sep. 2023 - Dec. 2023

• Handled administrative duties in a fast-paced environment, with solid adaptability and multi-task skills.

Assistant Project Manager, Shaanxi Construction Engineering Group, China, Jul. 2021 - Aug. 2022

• Assisted in civil construction projects to timely complete administrative, technical, and management tasks.

Additional Information

Certificates: AWS - Certified Cloud Practitioner

Languages: English (Fluent), Chinese Mandarin (Native), Japanese (Advanced - JLPT N2).

Visa Status: Graduate Visa Holder (Not need sponsorship to work in the UK)