

Yanhua Zhang

+1 (343) 777-8688 | yzha5778@uwo.ca | github.com/YanhuaZhang518 | linkedin.com/in/yanhuaz-jackie

EDUCATION

Western University

London, Canada

Master of Engineering in Software Engineering Graduated

Sep 2023 — Aug 2024

- Notable Courses: Machine Learning, Data Management and Applications, Web Application Development

Carleton University

Ottawa, Canada

Bachelor of Computer Science (Honors)

Sep 2019 — May 2023

- Notable Courses: Discrete Structures, Web Applications Fundamentals, Object-Oriented Software Engineering, Database Management Systems, Project Management

SKILLS

Project Management & Collaboration

- Agile (Scrum, Kanban) · Waterfall · Microsoft Project · Jira · Confluence
- Risk Management · Resource Allocation · Stakeholder Communication · Process Improvement
- Microsoft Teams · SharePoint · Slack · Excel (Pivot Tables, Dashboards) · Microsoft Visio · Google Data Studio

Technical Skills

- Cloud Platforms: Google Cloud (GKE/Cloud SQL) · AWS · Azure · Firebase
- DevOps & Tools: Docker · Kubernetes · Git · CI/CD Automation · Linux System Administration
- Programming Languages: Python · JavaScript (ES6+) · Java · C/C++ · HTML5/CSS3
- Frontend & Backend: React · REST APIs · Ant Design · Elasticsearch Integration
- Backend: Node.js · Express · JWT Authentication
- Databases: MySQL · PostgreSQL · Firebase Realtime Database

EXPERIENCE

Cloud-based Bookstore Web Application – Project Team Leader

Jan 2024 — Apr 2024

- Directed the end-to-end delivery of a cloud-native bookstore platform, from requirements to launch, leading a cross-functional team and coordinating with external vendors.
- Ran Agile ceremonies via Microsoft Teams, enabling effective distributed team communication and timely issue resolution. Built a SharePoint knowledge hub and used Excel for budget tracking, risk registers, and KPI dashboards.
- Led adoption of a hybrid Elasticsearch + recommendation engine, enhancing search speed and relevance.
- Oversaw multi-zone Kubernetes deployment on GCP with auto-scaling, ensuring stable performance during peak loads. Implemented automated CI/CD pipelines with GitLab and Helm, streamlining releases and reducing deployment risk.

Cryptocurrency Price Forecasting Engine – Project Team Leader

Sept 2023 — Dec 2023

- Managed the development of a cryptocurrency price forecasting platform, coordinating data scientists, backend engineers, and DevOps specialists.
- Oversaw dual-model architecture development, balancing high-performance deep learning models with lightweight real-time forecasting solutions.
- Directed system deployment on AWS EC2 with Docker, integrating Grafana monitoring for real-time performance tracking.
- Guided creation of UML sequence diagrams, CI/CD playbooks, and Swagger API documentation for consistent delivery and integration.

Bank Of China – IT Support & System Administration

May 2019 — Aug 2019

- Set up and managed iNode Smart Client for network access control and real-name authentication, ensuring secure and stable connectivity for enterprise users.
- Installed, maintained, and updated McAfee antivirus software, performing regular threat scans, virus definition updates, and troubleshooting security alerts.
- Administered domain user accounts for office computers with real-name verification, including account creation, permission assignment, and password resets.
- Set up and supported common workplace tools such as Sursen Reader, WinRAR, SEP Reader, as well as printer and scanner drivers, ensuring seamless integration with office workflows.