RONG GANG (ROGER) XU

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Summary

Self-motivated and enthusiastic engineer with a strong foundation in software development, seeking a position at your company to contribute analytical, problem-solving, and decision-making skills to your team's success.

Technical Skills

Frontend: JavaScript, TypeScript, HTML, CSS, React, Next.js, Bootstrap, Tailwind CSS, Daisy UI, Material UI, MVC architecture

Backend: Node.js, Express, RESTful API, PostgreSQL, MySQL, MongoDB, PowerShell, Python, C/C++

Testing Framework: Jest, React Testing Library

Other Tools & Technologies: Git, Bash, Linux, Azure Cloud Service, YAML Pipelines, CI/CD, Docker, JIRA, SDLC, Scrum (Agile methodology)

Currently Learning: Java, AWS, Spring Boot, FastAPI

Professional Experience

Systems Developer (Co-op)   *Sept. 2024 – Apr. 2025*

Healthcare of Ontario Pension Plan   *Toronto, ON*

- Maintained and upgraded multiple web applications to the latest framework, resolving legacy dependencies, addressing technical debt.
- Took ownership of a scalable event organizing application, working closely with the product owner to understand and refine requirements, and delivered value-driven features iteratively using React, TypeScript, Node.js, and RESTful APIs in an Agile team setting.
- Automated document workflows using Power Automate and SharePoint, streamlining business process execution.
- Resolved automated deployment pipeline issues by introducing secure authentication using Azure App Registration, restoring continuous integration and delivery workflows and reducing release time by 35%.
- Built automated unit tests for an organization-wide survey app, increasing code reliability by 60%.
- Collaborated on developing an Azure Function with Azure OpenAI API for sentiment analysis to prioritize support tickets, reducing triage time by an estimated 30%.
- Investigated, learned and applied configuration scripts to rollout Microsoft Places; collaborated cross-functionally with partner teams to test and deploy, followed by internal knowledge sharing.

Personal Projects

JobPilot – AI Powered Assistant | TypeScript, Next.js, React, Tailwind CSS, MongoDB, Gemini API   *April 2025*

- Developed a full-stack web app that generates tailored cover letters using Google Gemini and OpenAI, letting users select writing tone and reducing manual effort by 80% on average.
- Implemented secure user authentication and tiered access control with JWT and MongoDB, enabling account-based usage limits and supporting 500+ early users.
- Built a user-friendly interface with Next.js and Tailwind CSS, with 95% early users providing encouraging feedback on design and usability.
- Generated over 1,000 AI-based cover letters in testing, demonstrating scalability and practical value for job seekers.

Meal Kit Shopping Web App | *Express.js, Node.js, JavaScript, MongoDB*   *Feb. 2024*
- Developed a web app for exploring and ordering meal kits using EJS, MVC, Node.js, and Express.
- Implemented robust user authentication and authorization systems, managing user and meal kit data with MongoDB for testing purposes, ensuring 99% uptime and handling over 800 test user records.
- Designed a responsive user interface facilitating dynamic ordering and shopping cart functionality with Tailwind CSS and Daisy UI.

Education

Seneca Polytechnic   Toronto, Ontario
Diploma in Computer Programming   *May 2023 – Apr. 2025*
- GPA 4.0/4.0, President's Honour List

The University of Sydney   Sydney, Australia
Master of Commerce & Professional Accounting   *Feb. 2009 –Feb. 2011*

Renmin University of China   Beijing, China
Bachelor of Economics   *Sep. 2004 –June 2008*

Other Experience

Property Manager   *May 2015 – May 2023*
Self-employed   *Toronto, ON*
- Managed 25 properties, coordinating maintenance, budgets, and tenant relations.

Customer Service Representative   *Nov. 2013 – May 2015*
TD Canada Trust   *Richmond Hill, ON*
- Ranked 1st regionally in sales performance while delivering professional, empathetic, and responsive customer service.

IBD Analyst   *Jul. 2011 – May 2013*
J.P. Morgan First Capital   *Beijing, China*
- Supported IPOs and bond deals through detailed financial modeling and regulatory coordination.