

Daniel Zheng

Senior Software Developer | Backend & Cloud-Native Solutions

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PROFESSIONAL SUMMARY

Senior Software Developer with 4+ years of experience building cloud-native applications, public APIs, and scalable full-stack solutions. Proven success leading technical initiatives, mentoring engineers, and delivering high-performance software using Node.js, React, and Google Cloud Platform (GCP). Experienced in API design, distributed systems, CI/CD, and cloud-native development, with hands-on AWS serverless development through personal projects.

KEY SKILLS

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| ✓ Cloud Solutions (AWS/GCP) | ✓ API Design & Development | ✓ Technical Leadership |
| ✓ Software Architecture | ✓ Distributed Systems | ✓ CI/CD & DevOps |
| ✓ Agile Development | ✓ Performance Optimization | ✓ System Modernization |

EXPERIENCE

Systems With Intelligence	Ontario, Canada
Senior Software Developer	June 2022 – Present
- Led technical delivery of an Industrial IoT customer dashboard, guiding architecture decisions and scalable feature development. - Mentored two full-time developers and multiple co-op students through code reviews, technical coaching, and delivery support. - Architected the company's public IoT API from scratch and designed its supporting Google Cloud architecture. - Built 20+ secure REST APIs with JWT authentication, enabling reliable customer and partner integrations. - Supported acquisition of 10+ enterprise organizations in the first month by delivering production-ready platform capabilities. - Reduced dashboard rendering time from approximately 30 seconds to under 5 seconds using hierarchical time-series aggregation. - Modernized the customer portal and delivered Access Groups and Label Management to improve administration and usability. - Improved release quality through CI/CD pipelines and automated testing while collaborating with Product, Manufacturing, QA, and Operations.	
Twins TouCans Inc.	Ontario, Canada
Software Developer Intern	September 2021 – December 2021
- Developed warehouse management functionality using Django and Python to streamline inventory operations. - Integrated the Amazon Selling Partner API to synchronize inventory data across sales and warehouse systems. - Automated order-processing workflows, reducing manual coordination and improving operational consistency.	

PROJECTS

AI Portfolio Website (In Progress)
- Redesigning and modernizing my personal portfolio website with a responsive UI and improved user experience, and deploying it on AWS using a serverless architecture - Building an AI-powered assistant that represents my professional persona, enabling visitors to ask natural-language questions about my experience, projects, technical skills, and career. - Designing a Retrieval-Augmented Generation (RAG) pipeline that retrieves curated personal knowledge from external documents to generate accurate, context-aware responses while reducing hallucinations.

EDUCATION

Bachelor of Applied Science, Honours Computer Science , McMaster University	2017–2022
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TECHNICAL HIGHLIGHTS

JavaScript • React • Google Cloud • Node.js • AWS • React Native • Express • REST APIs • Next.js Bitbucket Pipelines • MySQL • Python • Java • C/C++ • Docker • Git • Datastore