Daniel Yu

AI-Driven Technical Leader

Markham, ON | daniel@yuzhao.net | (416) 999-7979

Hands-on technologist who still writes code every day. 20+ years building systems, leading teams, and shipping products. Now achieving 10x productivity through AI-assisted development with Claude Code and Co-Pilot. I bridge the gap between deep technical execution and team leadership—equally comfortable architecting cloud infrastructure, pair-programming with AI, or mentoring the next generation of developers.

EXPERIENCE

Caution Tape Robotics Club   2018 → Present

Master Shifu

Markham, ON
- Founded youth STEM organization—coaching 100+ students annually
- Led teams to 3 VEX World Championship titles (2019, 2021, 2023)
- Pioneering AI-assisted coding curriculum using Claude Code
- Teaching kids to build apps 10x faster with AI pair-programming

VEX Robotics   Python   C++   Claude Code   TypeScript

CanSTEAM Foundation   2022 → Present

Board Secretary

Canada
- Serving on board of directors for national STEAM education non-profit
- Contributing to strategic planning and governance initiatives
- Supporting programs that bring STEM education to underserved communities

TD Bank   2021 → 2025

Senior DevOps Consultant

Toronto, ON
- Early adopter of AI-assisted development—doubled output with GitHub Co-Pilot
- Designed fully automated CI/CD pipelines for enterprise MuleSoft projects
- Built reusable pipeline libraries adopted across multiple teams
- Hands-on coding: Groovy + Python automation frameworks
- Mentored developers on AI-driven workflows and best practices

Jenkins   Python   Groovy   MuleSoft   GitHub Co-Pilot

Royal Bank of Canada   2021

Hybrid API Consultant

Toronto, ON
- Built Ansible playbooks for Redis, ELK, PingFederate, OpenShift, Cloud Foundry
- Developed Node.js integration for ELK, Slack, ServiceNow
- Led P1-P5 security/compliance investigations
- Evaluated YugabyteDB and Backstage POCs

Apigee   Azure   GCP   Kubernetes   Ansible   ELK

BeeShop Solutions Inc. 2020 → 2021

CTO

Toronto, ON

- Leading technical strategy and architecture for e-commerce platform
- Designed serverless architecture using Azure Functions and Cosmos DB
- Developed cross-platform mobile application with React Native
- Implemented CI/CD pipelines for automated deployments

Azure Functions   Cosmos DB   React Native   Node.js   TypeScript

InfraDog Inc. 2019 → 2021

CTO, Co-Founder

Toronto, ON

- Built Azure DevOps pipelines for CI/CD automation across client projects
- Designed Elasticsearch + Kibana monitoring solutions on Azure
- Led technical architecture discussions and infrastructure planning
- Developed Terraform modules for Azure infrastructure automation
- Containerized workloads with Docker and orchestrated with Kubernetes
- Mentored junior team members on DevOps practices

Azure   Azure DevOps   Terraform   Docker   Kafka   Kubernetes

Orthotic Holdings Inc. 2016 → 2019

Director, IT Operations

Markham, ON

- Managed IT team of 4 supporting 500+ employees across 9 branches
- Initiated and led cloud migration project to Azure Kubernetes
- Led Office 365 migration for entire organization
- Deployed ADFS and implemented SSO across enterprise applications
- Designed real-time chat app with GCP Firebase + Apigee Edge
- Led Disaster Recovery planning and implementation

Azure   Kubernetes   Docker   Terraform   Azure Functions   Firebase   Office 365

IBM 2010 → 2016

System Management Specialist

Markham, ON

- Deployed Microsoft SCOM for TD, Rogers, Government of Manitoba, Manulife, ATB Financial
- Enterprise change management processes

Earlier Positions 1998 → 2010

- Systrend Solutions Inc. - Principal Consultant (2003-2010)
- Duracraft Canada Inc. - Software Development Manager (2001-2009)
- etang.com Inc. - Software Development Manager (1999-2001) - $45M startup
- Primeon Inc. - Software Engineer (1998-1999)

SKILLS

AI & Tools
Claude Code • GitHub Co-Pilot • MCP Servers • Prompt Engineering • AI Agents

Infrastructure
Azure • Cloudflare • Networking • Kubernetes • Docker

DevOps
Terraform • Azure DevOps • GitHub Actions • Jenkins • Ansible

Languages
TypeScript • Python • C# / .NET • Node.js • Groovy

Databases
PostgreSQL • Supabase • CosmosDB • Redis • MongoDB

EDUCATION

Graduate Study - Computer Engineering 1996 - 1998
University of Missouri - Columbia

B.Sc. Computer Science 1990 - 1994
Nankai University, China