

# Daniel Yu

## AI-Driven Technical Leader

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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

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### 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 -** 1996 - 1998

### Computer Engineering

University of Missouri - Columbia

**B.Sc. Computer Science** 1990 - 1994

Nankai University, China