

RICKY ZAMAN

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SUMMARY

Engineering manager and product owner with 7+ years building enterprise platforms at a Top-5 Canadian bank. Leads a team of **9 engineers** and owns the procurement technology roadmap end to end, from discovery and backlog through delivery, security sign-off, and adoption. Promoted three times in five years, from developer to manager, with a hands-on background in cloud, DevSecOps, and full-stack engineering.

SELECTED ACHIEVEMENTS

- Owned and shipped the bank's **first** Azure-based real-time procurement data platform, replacing a manual legacy reporting process.
- Put conversational AI intake into production on Azure OpenAI (GPT-4) and Azure AI Search in **under 2 months**.
- Cut **8,600+ hours** of annual manual effort out of enterprise security processes through automation.
- Delivered a legacy-to-VMware Cloud migration **8 months ahead of schedule** while the platform absorbed **50% user growth**.
- Two-time **Legendary Award** recipient, TD's internal recognition for technical leadership and business impact.

EXPERIENCE

TD Bank Group

Toronto, ON

Managing Engineer (Engineering Manager)

Dec 2025 - Present

- Lead a team of **9 engineers** across the bank's enterprise procurement platforms, covering hiring, performance, technical direction, and quarterly roadmap.
- Serve as product owner for the bank's first Azure-based real-time procurement data pipeline, carrying it from problem framing and backlog through delivery and adoption, and replacing manual legacy reporting with numbers finance and sourcing teams can act on the same day.
- Shipped a cloud-native intake platform on React and Azure in **under 2 months**, retiring a legacy low-code system that had become a support burden.
- Launched conversational intake on Azure OpenAI (GPT-4) and Azure AI Search that walks requesters through a submission instead of leaving them to interpret a form, improving submission quality and cutting rework for procurement staff.
- Closed **70+ security and audit findings** across the procurement portfolio with no production disruption, and set the vulnerability triage process the team runs today.
- Turn competing demand from Technology, Finance, Sourcing, and Risk into one prioritized backlog, and take the trade-offs back to the executives who raised them.

Senior DevSecOps Engineer, TD Securities

Aug 2024 - Dec 2025

- Designed the CI/CD automation that carries **300+ microservice deployments a month**, replacing a release path that ran on manual steps and tribal knowledge.
- Led security architecture reviews and risk assessments for **3 strategic banking platforms**, including the firm's Generative AI Sandbox, and cleared each through OSFI and enterprise security requirements.
- Owned the rebuild of TD Gigs, an internal talent marketplace, from Angular to React with a migration to GCP, resolving the governance findings that had stalled further investment in the product.

Full Stack Solutions Engineer, TD Securities

Jul 2022 - Aug 2024

- Cut **8,600+ hours** of annual manual effort by automating enterprise security processes that several teams had been running by hand.
- Architected the move off legacy infrastructure to VMware Cloud (VMC2), delivering an active-active platform with high availability and disaster recovery **8 months ahead of schedule** while the user base grew **50%**.
- Built **20+ Splunk dashboards** now used by every payments application team, which moved the group from reacting to incidents to catching them early.
- Delivered **5 unattended UiPath automations** that took manual, error-prone steps out of daily operations.

- Built the Early Talent Portal in TD Gigs (Angular, Node.js) to match associates to rotations, replacing a document-driven process and cutting matching time **50%** while improving placement accuracy **20%**.
- Engineered mobile payments applications in React and Android from design through testing and production release, under banking security and privacy requirements.
- Ran daily Blue Prism deployments for high-stakes automated processes and reduced deployment-related incidents **30%**.

Palomino Systems Inc.

Toronto, ON

Full Stack Developer

Apr 2019 - Sep 2019

- Delivered web applications end to end for **5 clients**, from requirements through production, building custom features on Laravel.
- Grew organic traffic **30%** across client sites through SEO fixes and front-end performance work.
- Reworked database schemas and Eloquent queries, then load tested hosting infrastructure so applications stayed responsive as traffic grew.

Ontario Treasury Board Secretariat

Oshawa, ON

Software Developer and QA Analyst

Aug 2018 - Feb 2019

- Built and maintained components of a government Electronic Data Interchange application in .NET, covering design, development, and deployment of the features that moved data between systems.
- Built an ASP.NET MVC application that tracked and reported file transmission errors, replacing manual error triage.
- Introduced QA and release-testing practices that streamlined weekly CRM deployments, and ran defect logging and test-case distribution through SharePoint.

SKILLS

- **Product and Delivery:** Product ownership, discovery, roadmap planning, backlog management, user stories and acceptance criteria, prioritization (RICE, MoSCoW), OKRs and KPI definition, Agile/Scrum, Kanban, stakeholder management, vendor management, Jira, Confluence, Azure DevOps Boards
- **AI and Generative AI:** Azure OpenAI (GPT-4), Azure AI Search, retrieval-augmented generation (RAG), embeddings and vector search, prompt engineering, conversational AI design, AI governance and responsible AI, GitHub Copilot
- **Cloud and Data:** Azure (Data Factory, Functions, App Service, SQL, DevOps), GCP, Terraform, Docker, Kubernetes, VMware Cloud (VMC2), Azure SQL, MongoDB, MySQL
- **Engineering:** Python, C#/.NET, TypeScript, JavaScript, React, Angular, Node.js, SQL, PowerShell, REST APIs, microservices
- **DevSecOps and Observability:** GitHub Actions, Jenkins, TeamCity, Nexus, Splunk (ITSI), Grafana, Prometheus, OWASP, SAST/DAST, vulnerability management, audit and OSFI remediation

CERTIFICATIONS

- Microsoft Certified: Azure AI Fundamentals (AI-900), Azure Data Fundamentals (DP-900), Azure Fundamentals (AZ-900)
- Oracle Cloud Infrastructure Generative AI Professional, Oracle Cloud Infrastructure AI Foundations Associate

EDUCATION

- Certificate in DevOps, York University, 2025
- Advanced Diploma, Computer Programming and Analysis, Seneca Polytechnic, 2020
- Bachelor of Science, Medical Radiation Sciences, University of Toronto, 2016
- Bachelor of Science (Honours), Biomedical Science, York University, 2014