
PROFILE SUMMARY

Full-Stack Engineer with **5 years of experience** in end-to-end software development, specializing in **cloud technologies, scalable application design, and modern AI integration**. Proficient in **object-oriented programming (OOP), data structures, and algorithms**, with a solid understanding of the full **SDLC** to ensure high-quality, consistent delivery. Recognized as a collaborative **team player** with strong analytical, problem-solving, and communication skills, developed through diverse professional experience. Passionate about leveraging **AI/LLMs** to enhance development efficiency, testing, and system design.

EMPLOYMENT

Engineer II **American Express** **Dec 2025 – Present**

Technologies: Kotlin, Ktor, JavaScript, React, PostgreSQL, GitHub Actions, AWS, Argo CD, Datadog

- Architect and develop a **scalable event-driven** notification platform that manages subscription lifecycles, ingests and routes incoming events based on **event-type classification**, and delivers **real-time webhook** notifications to subscriber-defined callback URLs, enabling **loosely coupled**, enterprise-wide **system integrations** and improved interoperability.
- Leverage AI-assisted software development tools including **GitHub Copilot** to accelerate engineering productivity through **intelligent** code generation, architecture ideation, and **AI-driven** unit/integration test creation, strategically applying the appropriate AI capability to improve **development velocity, code quality, and delivery efficiency**.
- Research and evaluate emerging technologies, and **modern engineering patterns** to improve system **scalability, resilience, reliability, and cross-platform interoperability** across enterprise infrastructure environments.

Senior Software Engineer **Egen** **May 2022 – Nov 2025**

Technologies: Java, Kotlin, Spring Boot, Spring MVC, Micronaut, JavaScript, Vue.js, Apache Kafka, MySQL, PostgreSQL, PagerDuty, Argo CD, Datadog, Splunk, Jenkins

- Improved **API efficiency 15%** and **reduced system load 20%** through optimized distributed caching; additionally, **lowered error rates 35%** with a robust cache fallback strategy to handle failures gracefully.
- Reduced **endpoint latency 12%** by removing **redundant** SQL queries, enhancing responsiveness.
- Increased **maintainability** by introducing a **Data Interface Layer (DIL)** to replace direct database access.
- Led full lifecycle** development of a new **Spring Boot application**, including design, deployment, and maintenance.
- Ensured system reliability by **actively monitoring** production environment, **triaging incidents** using Datadog, Splunk, and PagerDuty, and deploying **timely fixes**, minimizing downtime and service disruptions.
- Leveraged **LLM models** in daily development workflows to **accelerate** coding tasks, generate comprehensive test cases, and **automate** repetitive activities, boosting overall **productivity and delivery speed**.

Software Consultant **BDO Canada** **Mar 2021 – May 2022**

Technologies: C#, .Net Core, Python, Angular, HTML, SCSS, TypeScript, SQL Server, Azure DevOps, JIRA, Jenkins

- Refined software requirements by gathering **insights**, clarifying ambiguous needs, and **proposing feasible** technical solutions in collaboration with Dev Manager, Business Analyst, and Project Manager.
- Delivered **high-quality, secure, reusable, and scalable code** by following best practices, design patterns, and coding standards, consistently meeting project timelines and budget constraints.
- Supported team development by conducting **code reviews, mentoring** junior developers, and **resolving** technical challenges to maintain code quality and accelerate delivery.

Programmer Analyst-Intern **Ontario Teachers' Pension Plan** **Jan 2020 – Aug 2020**

Technologies: Angular, Python, C#, ASP.NET, Spring Boot, Docker, Kubernetes, MySQL, Apache ActiveMQ, Redis

- Developed and containerized **microservices** using Angular, ASP.NET, Spring Boot, and Python, **orchestrated** via Docker and Kubernetes, enabling **consistent deployments** across environments.
- Built back-end REST APIs with Flask and .NET, implementing unit and integration tests to ensure **reliability**.
- Collaborated in Agile-Scrum teams to identify new functionality, **upgrade features**, and implement system design changes, aligning solutions with business and technical requirements.

SKILLS

- Languages** – Java, Kotlin, JavaScript, TypeScript, HTML, CSS
- Frameworks and tools** – Ktor, Spring Boot, Spring MVC, Micronaut, Angular, Node.js, React, Vue.js, Postman, Conduktor
- Databases** – MySQL, PostgreSQL, Redis, MongoDB
- Cloud Tools** – Microsoft Azure, AWS, Heroku
- Others** – Git, Apache Kafka, Azure DevOps, Argo CD, Jenkins, Docker, Kubernetes, Nginx

EDUCATION

Master of Applied Computing **Jan 2019 – Aug 2020**
University of Windsor, Ontario, Canada