

Krasimir Kirov

514-651-2003 | krasimirkirov31@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | Montreal, Canada

EDUCATION

McGill University

Bachelor of Engineering, Software Engineering

Montreal, Canada

Expected Dec 2026

- GPA: 3.71/4 (Alma Mater Scholarship Award)
- Courses: Data Structures and Algorithms, Object-Oriented Programming, Databases, Artificial Intelligence

EXPERIENCE

Intact Financial Corporation

Software Developer Intern

May 2026 - Aug 2026

Montreal, Canada

- Developed Java/Angular features for Personal Lines Requests, used by 35,000+ agents and brokers across Canada
- Fixed 5 production defects via root-cause analysis across 5+ interdependent web services in a large legacy codebase
- Implemented configurable business-rule logic for auto/home insurance, meeting province-specific regulations

Amazon Web Services

Software Development Engineer Intern

Sept 2025 - Dec 2025

Berlin, Germany

- Developed an observability platform for the Redshift query planner serving 10,000+ production clusters worldwide
- Defined 12 critical planner health signals across multiple planner stages and query types in a distributed system
- Built SQL telemetry dashboards replacing manual log analysis, improving planner visibility, coverage, and MTTR

UKG

Software Developer Intern

May 2025 - Aug 2025

Montreal, Canada

- Delivered features across the full SDLC of the workforce scheduling platform in Java, used by 2,500+ organizations
- Resolved 4 production defects in a Kubernetes microservices backend, troubleshooting and restoring functionality
- Validated fixes with automated tests and Postman API checks, deploying through a CI/CD pipeline

Pomerleau

Software Developer Intern

Apr 2024 - Sept 2024

Montreal, Canada

- Designed an admin platform with a JavaScript frontend to manage 200+ active projects, streamlining operations
- Optimized SQL queries and EF Core database interactions, achieving 2x faster data retrieval
- Refactored the C# backend, improving API response times by 25%

Pomerleau

Software Developer Intern

May 2023 - Aug 2023

Montreal, Canada

- Developed a dashboard using ASP.NET for 150+ project managers, improving performance and usability
- Implemented CI/CD pipelines, improving deployment speed and delivery efficiency by 50%
- Built and deployed the project dashboard on Microsoft Azure (App Service, Azure SQL, Blob Storage)

PROJECTS

Freshet

May 2026 - July 2026

- Built an autonomous LLM incident agent to find root-cause commits and post cited Slack briefs and postmortems
- Developed a streaming RAG system (Kafka, pgvector) with hybrid search and reranking, reaching 0.81 recall@5
- Designed a reproducible eval suite for retrieval quality (recall/nDCG), freshness, and answer accuracy

EMG to Torque LSTM

Jan 2026 - Mar 2026

- Built an LSTM (TensorFlow/Keras) to predict ankle torque from 4-channel sEMG, reaching pooled $R^2 \geq 0.96$
- Engineered an sEMG envelope pipeline (bandpass, rectify, low-pass, MVC-normalized) for leakage-free windowing
- Evaluated within- and cross-subject generalization using per-position R^2 and RMSE across eight joint angles

SKILLS

Programming Languages: Java, Python, C#, JavaScript, SQL, C, Bash

Cloud, DevOps & Streaming: Kafka, Kubernetes, AWS, Azure, Docker, Jenkins, Linux/Unix, Git (version control)

Frameworks & Libraries: Spring Boot, ASP.NET Core, React.js, Angular, Node.js, Vue.js, FastAPI, REST APIs

Databases: Amazon Redshift, PostgreSQL, SQL Server

AI/ML: RAG, Vector Databases, TensorFlow, Keras, OpenAI API, LLMs

Relevant topics: Agile Methodologies, Jira, Confluence