Myron Ladyjenko

✉ ladyjenkomyron@gmail.com in myron-ladyjenko ⌂ myronladyjenko 🌐 ladyjenkomyron.com

Professional Summary

Proficient software engineer with **2+** years of experience across all stages of the development lifecycle
Demonstrated technical and collaborative skills through **5+** coding competitions, **4** hackathons, and **10+** projects
Adaptable and self-driven with a proven ability to quickly master new technologies and build scalable systems

Experience

Oracle NetSuite   May 2025 - Aug 2025
Software Engineering Intern   *Kitchener, ON*

- Delivered and showcased critical advanced pricing features for the upcoming **November release**, set to empower **42,000+** NetSuite customers with flexible rule-based pricing and greater control over promotional strategies
- Built **Java 21** components with **PL/SQL** procedures using **Dependency Injection** and **Liskov Substitution principle** to enable asynchronous price updates, scaling to millions of items and thousands of customer groups

SAP   Jan 2025 - Apr 2025
Cloud Infrastructure Developer Intern   *Waterloo, ON*

- Improved a Kubernetes operator's performance by introducing multiprocessing in Python, reducing startup time by **80%** and deploying globally across production landscapes managed by Gardener
- Evaluated Vertical Pod Autoscaler (VPA) for **optimizing CPU and memory** usage through in-cluster testing under different workloads; presented findings, leading to a decision to defer adoption for SAP HANA Cloud Data Lake services

University of Guelph   Sep 2024 - Dec 2024
Undergraduate Research Assistant   *Guelph, ON*

- Developed heuristic in C++ to enhance A* algorithm efficiency during the FPGA routing stage

NCR Voyix   Jan 2024 - Aug 2024
Software Engineering Intern   *Waterloo, ON*

- Secured **70%** market share with **600+** financial institution branches and **13000** ITMs globally by delivering essential reporting capabilities for terminal activity and balances
- Designed and deployed high-performance containerized Spring Boot microservices using **Java 17** on GCP, architected using the **Strategy pattern** and **Plugin Architecture** to maximize system flexibility and extensibility
- Adopted multithreaded architecture for backend services to reduce report generation and upload times by **40%**
- Built a Spring Boot JWT authorization service using Spring Security and Kubernetes secrets, securing Google Cloud Storage access and integrating with NGINX for token validation in a report retrieval workflow
- Enhanced **UX** for **1000+** bank tellers by enabling dynamic, customizable reporting through parameterized SQL queries

NCR   May 2023 - Dec 2023
Backend Java Developer Intern   *Waterloo, ON*

- Delivered software for teller cash recyclers for **8+** major financial institutions
- Optimized bank teller UX by empowering clients to execute pivotal operations like secure money transfers and interbranch cash shipments through real-time data streaming with WebSockets, reducing latency by **99.9%**
- Developed backend transaction services empowering tellers to execute secure cash recycler operations, by implementing Spring Boot REST APIs alongside Node.js transaction flows and data management with Cassandra
- Automated microservice deployments with Jenkins CI/CD, accelerating releases via Maven builds and Helm charts

University of Guelph   Sep 2022 - May 2023
Lead Teacher Assistant   *Guelph, ON*

- Led in-person labs, delivered a **400**-person lecture on recursion, and taught C, Linux and graph theory concepts

BlackBerry QNX   May 2022 - Aug 2022
Software Developer Intern   *Ottawa, ON*

- Decreased unit test runtime by **80%** using parallel execution with the fastcov Python utility
- Implemented comprehensive system-level and regression tests in **C** for embedded Unix-like QNX platform
- Achieved **100%** code coverage, ensuring reliability and robustness across tested components

Skills

- **Languages**: Java, Python, SQL, C, C++, TypeScript, Go
- **Tools**: Docker, Kubernetes, GCP, AWS, S3, Gardener, REST API, Kafka, Git, Maven, Jenkins, Google Cloud Pub/Sub, Redis, PostgreSQL, Cassandra, Oracle DB
- **Frameworks**: Spring Boot, Hibernate, Flask, Node.js, Guice, Next.js, Angular, PyTorch, YOLOv11, JUnit
- **Techniques**: SOLID Principles, Design Patterns, Distributed and Parallel Systems Architecture, Relational Database Design, Kubernetes Operator & Autoscaling (HPA, VPA) Development, Cloud-Native Monitoring, Agile
- **Interests**: Bouldering, Table Tennis, Volleyball, World Geography, Downhill Skiing, Biathlon

Projects

Climbing Route Classification | *Python, PyTorch, YOLOv11, Mask R-CNN, Roboflow*   **Sep 2024 - Nov 2024**
- Set up and trained machine learning models **YOLOv11** and **Mask R-CNN** (Detectron2) on a 4.3k image climbing dataset for automated holds and routes detection
- Applied **K-Means** and **DBSCAN** clustering with **Gaussian blur** preprocessing for color-based route classification

BlocBond - Best Google Tech Hack Winner | *Flask, Next.js, GCP, Vercel, Google APIs*   **May 2024**
- Hosted a full-stack climbing app with **10+ features**, including gym search, route rating and colorblind accessibility

Eon: University Voting | *Flask, Javascript, HTML, CSS*   **Jan 2024 - Apr 2024**
- Built a Bitcoin-based blockchain from scratch, integrating **5+** cryptographic algorithms to secure university club voting
- Implemented RSA Blind Signature protocol for confidential elections in a proof-of-concept system for **100+** students

Education

University of Guelph   **Sep 2021 - Expected Apr 2026**
Bachelor of Computing, Major Software Engineering Minor Business Economics   *GPA: 4.0/4.0 (96%)*
- **Relevant courses**: Computational Intelligence, Data Structures, Algorithms, Parallel Programming, Linear Algebra

Competitions and Awards

Oracle Certified Professional: Java SE 21 Developer	**August 2025**
Google Developer Student Club Hacks - Winner of 'The Best Google Hack' award	**May 2024**
D2L Scholarships in Computer Science - Highest GPA in Software Engineering	**Sep 2024**
Guelph LeetCode Competition - 1st Place, 2nd Place	**Feb 2024, 2023**
Hackathon Solution - Secure Value Transfers, patented by NCR Voyix	**Dec 2023**
Runner-up for 'Co-op Student of the Year' award at University of Guelph	**Dec 2023**
Silver Medalist - International Tournament of Young Mathematicians	**Jul 2019**