

# NATHAN ROOS

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## Summary

Computer Science student with hands-on experience in software development, testing, and Agile collaboration, seeking to contribute to quality assurance and process improvement in a dynamic engineering environment.

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## Qualifications

Java | C# | HTML | CSS | JavaScript | Go Langue | Lombok | Junit | Mockito Spring Boot | .Net | React | Laravel | .Net Core | Node | Git | Pring Web Flux | Map Struct IntelliJ | Visual Studio | Visual Studio Code | Pycharm | Docker Desktop | SSM Studio  
Fluent writing & speaking with French | English

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## PROJECTS

### Library Management Micro-Service – 4 Months | [Github](#)

**Description:** Refactored a backend from monolith to microservices using Spring Boot, DDD, REST APIs, Docker, and Jacoco.

**Role:** Sole developer overseeing full project lifecycle from monolith design to microservice deployment.

**Technology:** Used Spring Boot, REST APIs, DDD, C4 diagrams, Docker, and Jacoco to build, structure, and test the backend system

### Champlain Pet Clinic – 6 weeks (In Progress) | [Github](#)

**Description:** Extended a Spring Boot microservices Pet Clinic app while gaining experience with Scrum, Git, TDD, and CI.

**Role:** Worked on the Auth team, contributing to refactoring the docker files and creating full stack features.

**Technology:** Technologies used include Spring Boot, Git and Typescript.

### Automated Web Hosting Platform – 5 Months | [Github](#)

**Description:** PaaS for automated 'one-click' web application hosting microservice based project.

**Role:** Backend Developer, responsible for implementing microservices architecture

**Technology:** Go, Java, Spring boot, Docker, CI/CD, Kubernetes

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## Education

Technical DEC – Computer Science and Technology  
Champlain College – Saint Lambert

2023-2026

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## PROFESSIONAL EXPERIENCE

Lifeguard  
Sodem (Ouellette Pool and Aquadome), Lasalle, Quebec

2022-2024

- Monitored pools across Montréal to ensure swimmer safety with constant focus and attention to detail
- Trained to remain calm under pressure and communicate effectively during emergency situations
- Collaborated with multiple teams across a dozen pools, adapting quickly to new environments
- Worked successfully with a wide variety of people and team dynamics