

Aysu Ozdal

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SUMMARY

Software engineer with 0-to-1 experience building a real-time shuttle-tracking platform for 4,000+ monthly active users. Hands-on experience in Flutter/Dart, test automation, and CI/CD, with QA validation of 5G radio systems at Ericsson.

WORK EXPERIENCE

Founding Software Developer

Hamilton, ON

Trac (tracinc.ca)

Sep 2024 - Feb 2026

- Built and launched a real-time shuttle-tracking platform used by **4,000+** monthly active users by developing cross-platform driver, commuter, and admin applications in **Flutter/Dart**
- Developed Flutter **front-end** interfaces integrated with **Firebase**, enabling live location updates, authentication state management, and push notifications across three user apps
- Shipped **10+** front-end features ahead of schedule using **AI-assisted** development workflows to translate **Figma** designs and user feedback into production-ready Flutter/Dart code
- Implemented unit tests and GitHub Actions **CI/CD** pipelines for the Flutter application, catching bugs early and improving code quality before deployment
- Enabled a **B2B** partnership with Attridge Transportation by gathering technical requirements and delivering a stable, pilot-ready Flutter application

Test Automation Developer Intern

Ottawa, ON

Ericsson

May 2023 - Aug 2024

- Reduced **5G radio** test cycle time from **8 to 4 weeks** by migrating legacy **Python** test suites into a modular **Java**-based automation framework with reusable **XML** configurations
- Developed automated robustness tests across **5+** 5G radio systems, validating performance under variable temperature, environmental, and voltage conditions
- Achieved **90%+** test coverage by implementing unit tests with **JUnit** and **Mockito**, improving validation of software components and reducing defects earlier in the development cycle
- Improved test execution efficiency across 5+ radio products by planning test cycles, prioritizing automation tasks, and coordinating test execution across an 8-person intern sub-team
- Identified gaps in test methodology through cross-functional reviews with QA, hardware, and design engineers, leading to redesigned test cases aligned with hardware specifications

SKILLS

Programming Languages: Python, Java, Dart, JavaScript, HTML, CSS, SQL

Testing & QA: Test Automation, Unit Testing, System Testing, Robustness Testing, JUnit, Mockito, TDD

Frameworks & Tools: Flutter, Firebase, Git, GitHub, GitHub Actions, Gerrit, Jenkins, Jira, Confluence, Figma, Linux

Development Practices: Agile, Scrum, Kanban, CI/CD, SDLC, Code Reviews, Technical Documentation

EDUCATION

McMaster University

Hamilton, ON

Bachelor of Engineering, Software Engineering (Co-op)

Sept 2020 - June 2025

Relevant Coursework: Software Requirements and Testing, Databases, Real-Time Systems, Large Systems Design

CERTIFICATIONS

Certified Associate in Project Management (CAPM)

Expected July 2026

Project Management Institute (PMI)

LEADERSHIP & VOLUNTEER EXPERIENCE

Student Mentor and Ambassador

Hamilton, ON

McMaster University Women in Engineering Society

Oct 2022 - Apr 2025

- Mentored **20+** software engineering students across academic and career development, structuring 1:1 guidance on coursework, co-op applications, and engineering pathways
- Led STEM outreach presentations to **100+** female-identifying high school students, covering engineering career pathways and university programs to promote equity and inclusion in tech