

Yaatu Adem

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PROFESSIONAL SUMMARY

Quality Engineer with 7+ years of Java development experience and a solid background in building and maintaining automated test frameworks across the full software development lifecycle. I've designed and executed functional and non-functional tests, integrated automation into CI/CD pipelines using Jenkins, GitHub Actions, and Azure Pipelines, and used Selenium, Playwright, REST Assured, and Postman for UI and API coverage. I apply AI-assisted testing in practice, having used GitHub Copilot and LLM-based tooling professionally for test generation and automation, backed by formal coursework in Large Language Models and NLP through Centennial College's AI Co-Op program. I work well across cross-functional enterprise environments and take quality seriously as a shared responsibility across development, product, and engineering teams.

TECHNICAL SKILLS

Languages: Java, Python, HTML, CSS, JavaScript, Oracle SQL

Test Automation: Selenium WebDriver, Playwright, REST Assured, Postman, Functional Testing, Regression Testing, Integration Testing, API Testing, Cross-Device Testing (iOS, Android)

AI-Assisted Testing: GitHub Copilot, LLMs, Prompt Engineering, NLP, AI-Assisted Test Generation and Triage

CI/CD & DevOps: Jenkins, GitHub Actions, Azure DevOps, Azure Pipelines, GitLab, Git, AWS

Tools & Methods: Jira, Agile (Scrum, Kanban), SDLC, STLC, TDD, Test Data Management, Defect Tracking and Triage, Quality Reporting

PROFESSIONAL EXPERIENCE

Software Developer in Test (SDET)

Jan 2024 – May 2025

Ministry of Children, Community, and Social Services (MCCSS) | Toronto, ON

- Designed, built, and maintained manual and automated tests across the SDLC, embedding quality into continuous delivery pipelines through Jenkins and GitHub Actions integration. Covered functional, regression, and integration test scenarios for a large-scale enterprise web application serving citizens and caseworkers across Ontario.
- Analyzed requirements, design specs, and user stories to define test scope and end-to-end validation coverage ahead of each sprint. Worked with product owners and developers to agree on acceptance criteria before development started so testing wasn't an afterthought.
- Developed and maintained automation frameworks using Selenium WebDriver and Playwright for UI testing, and REST Assured and Postman for API contract validation across RESTful and SOAP service boundaries.
- Applied AI-assisted testing using GitHub Copilot and LLM-based tooling for test generation, script maintenance, and triage, with a practical understanding of validating AI outputs for accuracy before committing them to the test suite.
- Managed test data and environment planning using SQL queries against Oracle databases for data provisioning, validation, and integrity checks across development and staging environments.
- Logged and tracked defects in Jira with clear traceability, root cause documentation, and resolution steps. Provided data-driven quality reporting to stakeholders each sprint and escalated high-risk issues early so they could be addressed before release.
- Collaborated across multiple teams and dependencies in a large cross-functional enterprise environment, aligning with business partners, developers, and engineering leads to deliver on quality and regulatory standards each sprint.

Ignite TV Tech Support Specialist

Nov 2021 – Dec 2023

Rogers Communications | Toronto, ON

- Provided advanced technical troubleshooting for complex telecommunications infrastructure issues, maintaining high first-contact resolution rates across a high-volume support environment.
- Diagnosed technical faults across distributed network systems and coordinated field technicians to resolve outages and service degradation incidents efficiently.

EDUCATION

Software Engineering Technology - AI Co-Op Diploma

Sept 2022 – April 2026

Centennial College | Toronto, ON | GPA: 4.1 / 4.5

- Relevant Coursework: Java Programming, Advanced Database Concepts, Software Testing & Quality, Deep Learning, Cloud Machine Learning