

MOHAMED ZARANDAH

QA & Test Automation · Full-Stack Development (JavaScript / Python) · AI Workflow Automation

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PROFESSIONAL SUMMARY

QA-trained developer who builds production software, not only tests it. Graduate Certificate in Software & Information Systems Testing (co-op completed, Jan 2026) on top of two years shipping production automation in Node.js and Python: a Notion-to-Discord bot a 7-person team runs every day, and a Claude API pipeline polling 10 threads every 45 seconds against third-party rate limits. Having shipped real bugs, knows where software tends to break and writes defect reports a developer can act on the first time. Three years of frontline customer work and six months of B2B business development mean the technical work comes with the ability to explain it to the person who has the problem.

WORK EXPERIENCE

AI & Automation Workflow Engineer

2024 – Present

Independent / Freelance · London, ON

- Built and operate a Node.js/Express Notion-to-Discord automation used daily by a 7-person team: HMAC-SHA256-verified webhooks plus 10-second polling, 5 notification types, 7 slash commands, hourly overdue checks, a daily digest, and queued retries so failed deliveries are never silently dropped. Wrote the documentation and walked the team through adoption.
- Built Noctura Pulse, a Python/Flask content-intelligence platform on the Claude API: prompt caching, response validation, rate-limit-aware retry/backoff, SQLite storage, and an audit trail recording source, model, and confidence for every classification.
- Tested every release before it shipped: REST API response and payload assertions, deliberate error and rate-limit scenarios to confirm graceful failure, and direct SQL checks against SQLite schemas. Deployed via Git-based CI/CD on Railway.
- Self-host n8n on Docker with Ollama and Qdrant for local retrieval-augmented generation: document chunking, embeddings, vector retrieval, and context-grounded LLM responses without a hosted API.

QA & Test Automation · Graduate Certificate Co-op

2025 – Jan 2026

Fanshawe College, Software & Information Systems Testing · London, ON

- Co-op placement was primarily manual QA: wrote and executed test cases against acceptance criteria and logged reproducible defects (steps, expected versus actual, evidence) through retest and closure.
- Built a Java 11 / Selenium 4 / TestNG automation suite for OrangeHRM using the Page Object Model, a shared BaseTest for WebDriver setup and teardown, and Maven Surefire for headless suite execution. Academic framework, not a production-scale suite.
- Designed test plans covering positive paths, boundary conditions, and negative scenarios; ran exploratory sessions, JMeter load tests, and Jenkins CI/CD integration.

Business Development & Relations · Contract

Aug 2025 – Feb 2026

Uobo.ca · London, ON · approx. 30 hrs/week

- Researched prospective B2B partners, sourced accurate decision-maker contacts, and ran sustained follow-up so live conversations did not lapse after the first exchange.
- Tracked contact state and account history by hand so the whole team could see pipeline status without a CRM in place.

Freelance Full-Stack Developer

Feb – May 2024

Event Simplified · London, ON

- Delivered a production 5-page responsive web application (HTML5, SCSS, JavaScript) end to end for a founding team: ran discovery with non-technical stakeholders, scoped features, demoed each milestone, and completed a live handover.
- Ran cross-browser and cross-device QA throughout the build, resolving defects across browsers and screen sizes before client delivery.

UX Designer Intern

Feb – Mar 2025

The Door Face Panels (via Riipen LevelUP) · Remote

- Worked from an external client brief and presented findings and design recommendations directly to the client stakeholder.

Customer Service Representative (Cross-Trained)

2023 – Present

Real Canadian Superstore · London, ON

- Handle 40–60+ in-person customer interactions per shift across three departments, clarifying the real need and resolving issues calmly under pressure.

PROJECTS

B2B Outreach Automation Engine

2024 – Present

n8n · Claude API · Hunter.io · lemlist · nodemailer · Google Sheets · Express.js

- Connected contact enrichment, rules-based lead scoring, and multi-touch sequencing, with pipeline stage modelled in one reporting sheet so drop-off is visible in one place.

TECHNICAL SKILLS

QA & Testing: Test case & test plan design, STLC/SDLC, manual and exploratory testing, regression & smoke testing, defect lifecycle, UAT, TDD, REST API testing (Postman)

Automation: Selenium WebDriver, TestNG, Maven/Surefire, Page Object Model, JMeter, Jenkins CI/CD

Languages & Frameworks: JavaScript/TypeScript, Java, Python (Flask), SQL, PHP, HTML5/CSS3; React, Node.js, Express.js, REST APIs

Data & DevOps: SQLite, MySQL, Google Sheets reporting; Git/GitHub, Docker, Railway, Linux, JIRA, Chrome DevTools, Figma

AI & Automation: Claude API, prompt engineering, n8n (self-hosted), Ollama, Qdrant, RAG pipelines, lemlist, Hunter.io

EDUCATION

Graduate Certificate, Software & Information Systems Testing (Co-op) · Fanshawe College, London, ON · Jan 2026

Selenium, TestNG, JMeter, Maven, Jenkins, test planning, defect lifecycle, regression, SQL, systems analysis, Agile/Scrum

Diploma, Interactive Media Design · Fanshawe College, London, ON · Apr 2024