

Ridwan Abdulwaheed

[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

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SUMMARY

DevOps Engineer with experience in cloud architecture, distributed systems, CI/CD automation, infrastructure-as-code, and scalable containerized deployments. Proven track record implementing high-availability systems, optimizing pipelines, orchestrating Docker and Kubernetes workloads, and automating infrastructure with scripting and configuration management tools. Recognized for innovation, ownership, and building production-grade tooling that accelerates developer productivity and improves system reliability.

EDUCATION

Honors in Computer Science & Minor in Business

Memorial University

GPA : 3.72/4

May 2021

St John's, NL

EXPERIENCE

DevOps and Software Engineer

TownSuite Municipal Software

April 2024 – August 2025

Gander, Newfoundland and Labrador

- Led infrastructure automation using Docker, Docker Compose, and CI/CD pipelines in Jenkins, improving deployment reliability and reducing release time.
- Developed custom SSIS + Docker-based data ingestion pipeline to synchronize Excel and SQL Server data, enhancing system scalability and reliability.
- Integrated SonarQube and designed a commit-analysis automation bot to enforce code quality through static analysis and real-time developer feedback.
- Supported backend services written in C#, implementing cloud-ready architectures and performance optimizations.
- Owned VM provisioning, scheduled tasks, secure deployment workflows, and operational monitoring across multiple systems.

Back-end Developer

Teskisite

February 2023 – April 2024

Remote – Georgia, USA

- Developed RESTful API services and modular backend components using Django, improving reliability and maintainability.
- Built authentication middleware and production tooling supporting secure user operations.
- Optimized database performance with SQLite-based indexing and schema refinements.

IT Specialist

Work Global Canada

April 2022 – April 2023

St. John's, Newfoundland and Labrador

- Developed responsive UI components and web features using HTML, CSS, and JavaScript.
- Built REST APIs and backend services in PHP/Laravel supporting internal operational tools.
- Managed MySQL databases and implemented monitoring + backup automation.

Junior Data Analyst

Boram Foods Limited

June 2019 – January 2021

Ibafo, Nigeria

- Analyzed sales data using Python (Pandas) to generate insights for leadership decisions.
- Created dashboards in Power BI for performance tracking and operational visibility.

PROJECTS

Infrastructure Automation + OCR System

Python, OCR, NLP, Deep Learning, Docker | [GitHub Repo](#)

- * Developed Dockerized microservices powering an AI-driven OCR pipeline with Flask, featuring autoscaling-ready architecture.
- * Implemented monitoring and structured logging for performance profiling and system health diagnostics.
- * Built CI/CD integration for automated testing, deployment, and container publishing.

Semantic-Router-C-Sharp

C#, Docker, NLP, Vector Search | [GitHub Repo](#)

- * Built a **semantic routing engine** in C# enabling **real-time decision-making** for LLM-based agents.
- * Implemented **vector similarity search** for intent detection and fast query-to-action mapping.
- * Optimized the Python Semantic Router with **C#-specific performance improvements** and .NET integration.
- * Containerized the system with **Docker** for scalable deployment in AI and ML pipelines.
- * Delivered **production-ready, open-source code** supporting intelligent agent frameworks.

TECHNICAL SKILLS

Frameworks : Django, Laravel, Flask, Flutter,.Net

Databases : FireBase, MYSQL, SQLite, ChromaDB

Dev Tools : Unity,Unreal Engine, Power Apps, Postman, WordPress

Data Viz Tools : PowerBI, PowerPoint, Tableau, Google Data Studio, Grafana Beyla

Monitoring : Grafana, Linux tooling, structured logging, custom health checks

Languages : JavaScript, PHP, Java, HTML, CSS, Python, C#, C++, R, Dart, VB, PowerShell, Bash

Cloud / DevOps : Docker, AWS, Docker Compose, Kubernetes, Jenkins, Linode, RunPod, Linux, CI/CD, SSIS, GitHub Actions

Concepts : Reliability Engineering, Distributed Systems, Cloud Architecture, Security Best Practices

SOFT SKILLS

- Communication • Teamwork • Leadership • Adaptability • Problem Solving • Time Management • Innovative

AWARDS & CERTIFICATIONS

AWS Solutions Architect Associate Cert.(AWS, 2025/26) : In Progress

Faculty of Science Dean's List (2021/22) [View Details](#)

Faculty of Science Dean's List (2024/25) [View Details](#)

Distinctive Co-op Excellence Achievement [View Details](#)

Most Innovative Employee (TownSuite, 2024) [View Details](#)