

Ammar Alzureiqi

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EXPERIENCE

Software Developer

Sept. 2024 – Present

Alzureiqi Solutions

London, ON

- IDA Academy: Configured backend infrastructure and deployment for a new learning platform, developed a custom ETL pipeline to migrate and transform legacy data, while optimizing system performance to significantly reduce load times and enhance user experience and engagement.
- The Wellness Network: Designed and deployed a self-service CMS platform for the organization's website, allowing the marketing team to independently manage content, events, and initiatives without technical support.
- Arqam SIL: Built a website with CMS for community survey results, upcoming events, and general information; conducted data analysis on thousands of community survey responses, uncovering key demographic insights that directly informed program improvements and resource allocation decisions.

Software Engineer

May 2024 – Oct. 2024

CensusX.ai

Toronto, Ontario

- Developed an AI-powered business assistant that integrates with POS systems to surface real-time insights through natural language queries, streamlining business decision-making for clients.
- Designed and implemented a scalable ETL pipeline using Apache Spark and Airflow to support reliable ingestion and transformation of large-scale business data for downstream analytics.
- Built a Retrieval-Augmented Generation (RAG) pipeline using Open-Source models to enable personalized, context-aware business recommendations based on user data and historical trends.

Software Developer Intern

Jan. 2023 – Aug. 2023

MK Bookkeeping and Tax Services

London, ON

- Built an employee timekeeping system with automated timesheets and real-time dashboards, improving payroll accuracy and reducing administrative work.
- Created an automated invoice processing system with OCR and data extraction tools, significantly reducing manual input, decreasing human error, and improving bookkeeping accuracy.

EDUCATION

University of Illinois Urbana Champaign

Champaign, IL

Master's of Science in Computer Science — GPA: 4.0

May 2023 – Dec. 2024

- Relevant Coursework: Advanced Machine Learning, Statistical Modeling, Database Systems, IoT

Western University

London, ON

Honor's Bachelor's of Science in Statistics — GPA: 3.9

Sep. 2017 – Apr. 2021

- Relevant Coursework: Probability Theory, Statistical Inference, Regression Analysis, Multivariate Statistics, Data Science, Machine Learning, Time Series, Applied Linear Models, Computational Statistics

PROJECTS

Hirestack | Python, Django, AWS, Terraform, DynamoDB, Next.js

Live Demo: [Hirestack](#)

- Architected a backend using AWS with PostgreSQL database and Lambda functions to periodically collect and consolidate job listings from multiple external sources through automated API processing.
- Built a scalable ETL pipeline using Apache Airflow with schema validation, deduplication, and ML-driven tagging to enable efficient search, personalized filtering, and automated job alerts.

RetailPulse | Python, OpenCV, FastAPI, Streamlit, Docker

GitHub: [RetailPulse](#)

- Developed an IoT-based People Counter application using Raspberry Pi, leveraging computer vision (OpenCV, PyTorch) for accurate real-time customer detection and tracking in retail environments
- Designed and implemented a scalable backend infrastructure using FastAPI, WebSockets, and Uvicorn, enabling instant data processing and visualization for actionable retail store optimization insights

TECHNICAL SKILLS

Languages: Python, R, Go, Java, JavaScript, HTML/CSS, and SQL

Tools and Technologies: Flask, Django, AWS, Docker, Kubernetes, OpenCV, React, Git, PyTorch, TensorFlow, Keras, Power BI, MySQL, MongoDB, PostgreSQL, DynamoDB, REST API, Redis, Apache Airflow, PySpark