

MOHAMED EL SAYED

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SUMMARY

Cloud Engineer & AWS Certified Solutions Architect with hands-on experience deploying data pipelines (ETL), managing IAM roles, and automating infrastructure on AWS. Strong background in Python, SQL, Redshift, and Terraform. Seeking entry-level Cloud/DevOps/Data Engineering roles with a focus on scalable infrastructure and automation.

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, PHP, SQL, HTML, CSS

Libraries/Frameworks: React.js, Node.js, Pandas, NumPy, Scikit-learn, Torch

Databases/Query languages: MySQL, MongoDB, SQLite

Tools/platforms: Git, AWS, Docker, Postman, Terraform, GitHub Actions, CI/CD pipelines, AWS IAM Policies, Redshift Spectrum, Unix/Linux

EDUCATION

Wilfrid Laurier University

B.Sc in Computer Science - Big Data Systems Concentration, Economics Minor

Waterloo, ON

Apr 2025

- **Relevant Courses:** Data Structures, Algorithms, OOP, Databases, Machine Learning, Data mining, Data Visualization, Programming for Big Data, Software Engineering, E-commerce, Computer Networks, Operating Systems, Foundations of Computing, Microeconomics, Macroeconomics, Cdn Banking & Financial Systems, International Trade

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate
- AWS Certified Cloud Practitioner

WORK EXPERIENCE

Independent Contract (via FieldNation)

IT Infrastructure Assistant

Toronto, ON

May 2023 - Aug 2023

- Supported multi-floor commercial network deployments for enterprise clients under senior IT engineers
- Installed and configured 20+ routers/switches, ensuring secure connectivity and system reliability.
- Conducted troubleshooting using Wireshark and CLI tools, achieving a 25% reduction in deployment time.
- Collaborated cross-functionally to test, integrate, and document system configurations

HENC Technology

IT support

Milton, ON

Jan 2016 - Aug 2018

- Delivered comprehensive device and network support for 100+ systems, reducing downtime by 30%.
- Configured small-scale network setups, implemented firewall security, and resolved software conflicts.
- Built and tested customized PC hardware and performed OS installations and system recovery operations.

McDonald's

Maintenance

Milton, ON

Jan 2018 - May 2025

- Promoted to Crew Trainer, mentoring new employees and ensuring adherence to operational standards
- Implemented preventative maintenance tasks, improving reliability and minimizing downtime.

RELEVANT PROJECTS

Full Serverless Portfolio Website – AWS CloudFront, S3, Lambda, API Gateway, SES, Terraform, GitHub Actions

Terraform, GitHub Actions, Lambda (Python), S3, CloudFront, API Gateway, SES, IAM, Route 53

- Built a fully serverless portfolio website using AWS S3 + CloudFront with HTTPS and custom domain routing.
- Provisioned infrastructure with Terraform (S3 bucket, CloudFront distribution, DNS, bucket policies).
- Implemented a secure backend contact form using Lambda (Python) + API Gateway with SES transactional email.
- Created a GitHub Actions CI/CD pipeline for automatic S3 deploys and CloudFront cache invalidation.

Data Engineering Project – Arsenal Stats ETL (AWS)

AWS, PySpark, Redshift serverless, Lake formation, IAM, S3

- Designed and deployed a data engineering pipeline for sports analytics using AWS services.
- Managed IAM roles, S3 storage, and Redshift Spectrum queries for secure and scalable data access.
- Automated Spark-based ETL tasks for match data transformation and performance metrics computation.

NYC Taxi Big Data Analysis

Apache Spark, Data Bricks, SQL

- Developed data processing and visualization pipelines in Spark to analyze large-scale transportation datasets.
- Built and tuned ML models for fare prediction and trip classification, improving inference accuracy.