

Shayan Hollet

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Experience

Optimum IT Solutions

DevOps Developer

*Montreal, QC
Apr. 2024 – Present*

- Enhanced system stability and security, increasing reliability across services.
- Increased transaction capacity by 40% through improved infrastructure scalability.
- Reduced manual tasks by 50% through automated deployment pipelines.
- Achieved near-zero downtime during updates and deployments.
- Boosted deployment speed by 40% with containerized services.
- Strengthened API security and centralized logging for enhanced monitoring.

Montreal University

Teaching Assistant (IFT 2245 - Operating Systems)

*Montreal, QC
Jan. 2025 – Present*

- Supported students in mastering operating system concepts.
- Provided detailed guidance on lab assignments.

Projects

AI Model Optimization and Deployment Platform (Go, Kubernetes)

- Built a scalable microservices platform in Go for data preprocessing, model training, and deployment.
- Deployed and orchestrated services using Kubernetes, with CI/CD pipelines via Jenkins X.
- Integrated Kubeflow for model workflows and Prometheus for system monitoring and metrics.
- Automated cloud infrastructure with Terraform, provisioning Kubernetes clusters and storage.

Cloud-Based ML Application Deployment (Google Cloud)

- Built and deployed Flask (backend) and Streamlit (frontend) services as Docker images using Google Cloud Build.
- Automated deployments to Google Cloud Run with CI/CD pipelines, integrating Artifact Registry for image storage.
- Optimized inference performance by preloading models and configuring environment variables.

Automated Arbitrage Detection Agent (Python, Selenium)

- Built a Selenium-based scraper to identify sports betting arbitrage across platforms.
- Applied statistical models to compute probability distributions and validate arbitrage.
- Deployed an email notification system for real-time arbitrage alerts.

Skills

DevOps, Containerization (Docker, Kubernetes, Swarm), CI/CD Pipelines, Cloud Computing (AWS, GCloud), Scripting (Bash, Python), Linux Systems, Web Development (Java, JavaScript, React, Spring Boot, Node), Database Management (SQL, MongoDB), MLOps

Education

Montreal University

Bachelor of Arts in Computer Science

*Montreal, QC
Apr. 2025*

- Coursework: Operating Systems, Software Engineering, Foundations of Machine Learning (MILA), Data Science Intro (MILA), Cybersecurity
- Honors: Academic Scholarship (2023).