

MOHAMMAD JAVAD EKRAMI

Devops Engineer

Istanbul, Turkey

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my website

mohammad-javad-ekrami

OBJECTIVE

Experienced DevOps and Cloud Engineer with **+5 years** in **Spain, Romania, and the UK**, proficient in **Azure, AWS**, on-premise infrastructures, **PostgreSQL, Kubernetes, Docker** and Automation. Skilled in collaborative problem-solving, **CICD Pipeline**, and **Python scripting**, dedicated to delivering innovative solutions and continuous learning.

SKILLS

Languages: Python, Java, Javascript, Golang

Technologies: Kubernetes, Docker, Terraform, Ansible, Prometheus, Grafana, Apache Spark, Apache Kafka, Delta Lake, ClickHouse, Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP), CI/CD Pipelines, GitHub Actions, Jenkins, ArgoCD, MySQL, PostgreSQL, MongoDB, Elasticsearch, Debezium, Amazon S3, AWS Lambda, Amazon Kinesis, Amazon EKS, Bicep, ARM Templates, Spring Boot, Flask, React, Telegraf, Cloudflare, Zeek, VMware, VictoriaMetrics, ModSecurity

EXPERIENCE

10/2024 - Present **Snapp**

Istanbul (on-site)

AI Software Engineer/MLOps

- Designed and deployed **RAG-powered Text-to-SQL** workflows using **LlamaIndex agentic pipelines**, built end-to-end with **FastAPI** and **Next.js**, enabling natural-language query generation across **10+ heterogeneous databases and tables**.
- Optimized query execution by integrating **schema-aware retrieval and SQL synthesis**, improving analyst productivity and reducing ad-hoc query turnaround time by **65%**.
- Implemented a **computer-vision shelf detection pipeline** for inventory management at a hypermarket chain (**equivalent to Carrefour**), reducing stock discrepancies by **30%**.
- Built real-time item penetration pipeline using **Kafka** and **Spark**, processing **50M+** events/day across **20+** categories.
- Deployed large-scale **ClickHouse** OLAP cluster ingesting **100M+/day**; achieved sub-second query latency.
- Integrated **vLLM** with **LangChain** and **LangGraph** to automate call center workflows; reduced FTEs from **40** to **5**.
- Implemented **RAG** system across **10** internal databases to cut support response latency by **70%**.
- Implemented CDC pipelines using **Kafka** and **Debezium** for real-time sync.
- Refactored PySpark jobs to **Scala/Spark**, improving performance by over **50%**.
- Migrated legacy pipelines to a **Medallion Architecture** with **Delta Lake**.
- Built hybrid batch + stream DWH using **Clickhouse** and **Spark Streaming**.

Kafka / Spark / Scala / vLLM / LangChain / LangGraph / S3 / Kubernetes / Debezium / Delta Lake / ClickHouse / MySQL

10/2022 - 08/2024 **VoxSolutions**

Bucharest (remote)

Devops engineer

- Migrated from Docker swarm to Kubernetes** to implement CI/CD using **Arogo**
- Reduced product delivery time** with factor of **5x** by implementing continuous delivery
- Deployed Prometheus Federation** across **7** datacenters which **decreased debugging time in half**
- Automated build and deployment** using **Ansible templates** for **12** microservices
- Effectively **set up monitoring solutions** for **Mongodb** and increased performance by **20%**
- Provided anomaly detection** to the traffic analysis team using multi-cluster **Elasticsearch**
- Optimized MySQL's** read query time by a factor of **10X**
- Improved analytical performance** for traffic analysis team by migrating from **Monogdb** to **Elasticsearch** by the factor of **54X**
- Implemented IaC using **Terraform** to cloud-based environment **AWS**
- Designed an ETL pipeline using **S3, Lambda, Kinesis** to ship events to **Dynamodb** and monitor them.
- Provided connectivity to on-premise and cloud and reduced the cost of maintenance by **10%**
- Set up and configure multi-cluster **EKS** for development, testing and production

Elasticsearch / Arogo / SQL / Java / Ansible / Redis / Rabbitmq / Kafka

4/2022 - 10/2022 **Driverly-Insurance**

Cardif (remote)

Devops engineer

- **Integrated** Azure AD with Managed Azure postgres flexible server (not supported at that time)
- **Researched** and setup log management using **Azure Workspace**
- **Reduced** microservice Kubernetes manifest complexity with **Kustomize**
- **Reduced deployment complexity** using **Bicep** and **ARM language** Iac
Azure / Bicep Iac / Postgres / .Net

9/2021 - 5/2022 **UID**

Devops engineer

- Achieved **99% uptime** for Java and Python-based applications
- Delivered highly maintainable and secure **Oracle database**
- **Introduced high-availability and scalability** by converting monolithic application to microservice patterns
- **Conducted researches** to mitigate security vulnerabilities
Springboot / Python Flask / Oracle

8/2019 - 8/2021 **Nordic Defender**

Stockholm (remote)

Devops engineer

- **Enhanced network visibility** with **Grafana,Telegraf and Prometheus**
- **Automated infrastructure provisioning** saving multiple hours of time using **Ansible and Terraform**
- **Conducted comprehensive security hardening** for over **30 VM** instances
- **Improve Docker container security** deployment for CTF events with **98%** uptime
- Researched and implemented a unified monitoring solution using **Grafana and Cloudflare API** creating a single dashboard
Grafana / React App / Telegraf / Cloudflare / Zeek / VMWare

VOLUNTARY WORK

8/2019 - 8/2021 **Pars Petrochemical Co**

Asaluye

Infrastructure Security engineer

- Yielded days of security hardening into an hour over **100 virtual machines** using Ansible
- **Enhanced network security** by provisioning and deploying web application firewall using Modsecurity With **OWASP Core Rule Set**
- **Provisioned monitoring solution** for more than **100 routers** using **Victoria Metrics**
Grafana / Victoria metrics / Zeek

LANGUAGES

English - Advanced