MOHAMMAD JAVAD EKRAMI

Devops Engineer

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in 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)   **Senior Data/MLOps Engineer**

- 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 **Arogocd**
- **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 maintanence by **10%**
- Set up and configure multi-cluster **EKS** for development,testing and production

```
Elasticsearch / Argocd / 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
· Deliverd highly maintainable and secure **Oracle database**
· **Introduced high-availablity 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 visibilty** 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 soluion using **Grafana and Cloudfalre 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