MOHAMMAD JAVAD EKRAMI

Devops Engineer

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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:

EXPERIENCE

10/2024 - Present   **Snapp**
Istanbul (on-site)   **Senior Data/MlOps Engineer**

- Implemented CDC using **Kafka** and **Debezium**
- Refactored Pyspark to Scala/Spark gaining more than **50% performance improvement**
- Refactored the infrastructure from plain data platform to **Medalion Architecture**
- Replaced enquiry service from to **Clickhouse Rabbitmq Engine** resulting in less maintanence
- Set up data warehouse using **Mysql** and stream processing using **Spark-Streaming**

```
Kafka / Spark / Scala / 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