

Ayoub [IDEL MAHJOUR]

Backend Developer & DevOps Engineer

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Profile

Software Engineer & Cloud Architect with strong background in **Golang, AWS, and Kubernetes**. Worked in designing **scalable cloud architectures**, optimizing costs, and delivering **high-performance backend services**. Proven track record of **mentoring engineers, and conducting technical interviews**. Currently preparing for **AWS Certified Solutions Architect - Professional** to further strengthen cloud expertise.

I love developing - in my free time - new projects linked to **Blockchain** using **Rust**.

Experience

Software Engineer – Permanent

Apr 2024 – Present | Imagino (Customer Data & Engagement Platform) Imagino builds a **next-gen CDP/CEP** enabling enterprises to unify data, build a **360° customer view**, and activate it across channels in real time.

- **Backend Development (Golang):** Designed and optimized **microservices & web services** in Go.
- **Kubernetes & Cloud Operations:** Maintained **Kubernetes clusters** on **Azure**, managed **CI/CD pipelines**, Helm charts, and deployments.
- **Feature Ownership:** Delivered **real-time data processing features** and APIs for CDP plugins. Design and develop message feedbacks services (5k-10k messages per second).
- **Team Leadership & Recruitment:** Mentored developers, managed a **multi-person team**, and conducted **technical interviews**.
- **Cross-functional Collaboration:** Worked closely with product team to align business needs with robust technical solutions.
- **Architecture & Scalability:** Supported evolution of the platform (migration).

Keywords: #golang #kubernetes #azure #postgres #duckdb #clickhouse #jetstream #react #helm #rest #scalability #highavailability #statelesservices

Cloud Architect & Software Engineer – Permanent

Feb 2020 – Apr 2024 | Addict Mobile Technology (Performance Marketing / Mobile UA)

Cloud Architect (Mar 2022 – Apr 2024)

- **Architecture Leadership:** Designed scalable backend architectures on **AWS**, focusing on **high availability, cost optimization, and serverless solutions (Lambda, Step Functions, DynamoDB, ...)**.
- **Infrastructure as Code:** Built new projects with **AWS CDK**, ensuring reproducibility and faster deployments.
- **Observability & Monitoring:** Integrated **CloudWatch** for monitoring and alerting.
- **Migration & Optimization:** Led migration from **Elasticsearch to OpenSearch**, improving performance while cutting costs.
- **Cost Optimization:** Achieved a **24% reduction in AWS infrastructure costs** through reserved instances, autoscaling, and serverless adoption.

Software Engineer (Feb 2020 – Mar 2022)

- **Backend Development:** Built backend services and features in **Golang** and **Java (Spring Boot)**.
- **API Development:** Designed **REST APIs** using clean architecture principles.
- **Cloud & DevOps:** Deployed services on **AWS (ECS, S3, RDS, Lambda, ...)**.
- **Business Alignment:** Translated business needs into actionable technical specifications.

Keywords: #golang #aws #iac #aws-cdk #docker #serverless #opensearch #elasticsearch #java #springboot #react #REST #cloudarchitecture #devops

Backend Developer – Permanent

Aug 2019 – Feb 2020 | Astek Participated in a migration initiative to transition internal microservices from REST to gRPC in order to enhance performance, scalability, and reliability of the system. Implemented a gRPC communication layer in Golang to replace REST endpoints between critical services. Improved latency and throughput of inter-service calls, especially under high load.

Keywords: #golang #grpc #docker #aws #microservices #migration #performance #optimization

Backend Developer – Internship

Feb 2018 – Aug 2018 | EDF – Corsica Project

- Improved issue reporting processes for **hydroelectric and wind power plants**.
- Developed backend features with **Java Spring MVC** and **Oracle DB**.
- Built web features with **JavaScript** for shift worker tools.

Keywords: #java #spring-mvc #javascript #oracle #energysector

Backend Developer – Internship

Mai 2017 – Aug 2018 | Sitel Group

- Enhanced the **Gras Savoye insurance application** performance and reliability.
- Conducted **load tests** with **JMeter** and **benchmarks** with JMH.
- Expanded **unit & integration test coverage** in Java.

Keywords: #java #REST #jmeter #jmh #loadtesting #grafana #prometheus

Education

CPGE (Higher school preparatory classes) - Mathematics and Engineering science

Sep 2014 – Aug 2016 | Lycée Francois 1er

Engineer's Degree - Computer Science

Sep 2016 – Aug 2019 | Ecole Polytechnique de Tours

Skills

- **Programming Languages:** Golang, Rust, Java, C/C++
 - **APIs & Protocols:** REST, gRPC, GraphQL
 - **Cloud:** AWS, GCP, Azure
 - **DevOps / Tools:** Kubernetes, Helm, ArgoCD, AWS CDK, CI/CD, Artifactory, JMeter
 - **Blockchain:** Hyperledger Fabric, Solana
 - **Monitoring:** Grafana, Prometheus, Dynatrace, ELK, CloudWatch
 - **Languages:** English (fluent), French (native)
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Certifications (In Progress)

- Preparing for **AWS Certified Solutions Architect - Professional**