AbdElAziz Moftah

Senior Software Engineer · Distributed Systems & Performance-Critical Software · AWS Certified

Saarbrücken, Germany

Contact me | LinkedIn | GitHub

PROFILE

Senior backend engineer specialising in distributed systems and performance-critical software. I design and run event-driven, serverless systems on AWS that handle millions of events a day with strong consistency and high throughput, after earlier years on payment platforms and logistics systems. I work mainly in Python and .NET, with a Java background, and care about reliable architecture, observability and clear technical decisions.

Distributed Systems
Event-Driven, Serverless, Consistent

Performance-Critical Software
High Throughput, Millions of Events

Backend & APIs
Python, .NET, Java

AWS & Solution Architecture
Serverless, Containers, IaC

EXPERIENCE

Senior Software Engineer · Wemolo GmbH

2025 – Present

Munich, Germany · Remote

Parking-technology scale-up that replaces barriers and sensors with camera-based, AI-driven monitoring, license-plate-recognition access and payment for retail, hospitals, hotels and municipalities across Germany, Switzerland, Austria, Italy and Poland.

- Part of the Operator Platform group; write and maintain the internal packages the whole engineering team builds its services on.
- Handle millions of events daily in a distributed, serverless system on AWS, designing for consistency and high throughput.
- Own architecture decisions for scalable, fault-tolerant, event-driven services and data pipelines built on Kafka.
- Model and operate PostgreSQL and DynamoDB for transactional, session and analytics workloads.

Stack: AWS (ECS, Lambda), Python, .NET, PostgreSQL, DynamoDB, Kafka, Terraform

Senior Software Engineer · HelloFresh

2023 – 2025

Berlin, Germany · Remote

Production Technology squad: backend systems that run order management and production control in distribution centers.

- Built backend services and tools that optimise production workflows, including box assembly, and real-time SKU inventory reporting across distribution centers.
- Developed pipelines that publish production data to analytics consumers over Kafka and RabbitMQ.
- Set up Grafana, Loki and Prometheus observability and ran services on Kubernetes with Jenkins CI/CD under high-throughput load.

Stack: .NET, Python, Kubernetes, Docker, Jenkins, SQL, Kafka, RabbitMQ, Grafana, Loki, Prometheus

Software Engineer II · Vodafone Cash

2021 – 2023

Cairo, Egypt · On-site

Integration specialist on Egypt's largest e-wallet, a highly available, fault-tolerant platform processing millions of transactions daily.

- Built the VF-Cash middleware layer and backend logic serving the USSD, mobile app and web channels, and integrated third-party APIs and payment gateways.
- Introduced DevOps practices and moved applications onto a private OpenShift cluster.
- Contributed to a new scalable API gateway.

Stack: Java, Python, TIBCO BW5 / BW CE, OpenShift, Kubernetes, Docker, Jenkins, Oracle DB, Redis, Kafka, JMS, EMS

TECHNICAL SKILLS

Languages	**Python** · **C# / .NET** · Java · SQL
Frameworks & APIs	**ASP.NET Core** · **FastAPI** · **REST APIs** · ServiceStack · Socket Programming
Architecture	**Distributed Systems** · **High-Throughput Systems** · Event-Driven · Serverless · Microservices · DDD · TDD
Cloud & DevOps	**AWS** · **ECS** · **Lambda** · **Terraform** · **Kubernetes** · **Docker** · SQS / SNS · Jenkins · Grafana · Loki · Prometheus
Data & Messaging	**PostgreSQL** · **DynamoDB** · **Kafka** · **RabbitMQ** · Redis · MySQL · Oracle · MongoDB · JMS

CERTIFICATIONS

AWS Certified Solutions Architect – Associate — Jan 2023

AWS Certified Developer – Associate — Nov 2022

EDUCATION

B.Sc. Computer Engineering — Jul 2020

Tanta University