

MOHAMED SWEELAM

Software Engineer with 10+ years of experience in different programming languages, distributed systems, and Hybrid cloud models, proven track record of delivering successful projects on time and to specification in various business domains, such as Microfinance, Telecom and Customer Engagement. Strong communication skills, skilled in leading development teams and working in agile environments.

CONTACT

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SKILLS

PLs & Frameworks

Java
Kotlin
Spring Boot
Spring Cloud
Python
Javascript
Node JS

Data Stores & Messaging Systems

PostgreSQL
MySQL
Cassandra
Redis
Memcached
Kafka
RabbitMQ

DevOps

Docker
Kubernetes
Jenkins
DroneCI
ArgoCD
Grafana
Prometheus
SonarQube

Operating Systems

Linux
Windows

Languages

Arabic
English



WORK HISTORY

- 📅 03/2023 - Now
📍 Seera, Dubai - UAE
Principle Engineer
Working across different teams, reviewing solutions and enhancing systems, leading core team, upgrading to the recent tech stack
- 📅 03/2021 - 03/2023
📍 Unifonic, Dubai - UAE
Senior Software Engineer
Working in the customer engagement industry, building cloud-native systems, designing solutions, developing, Team mentor and production support owner.
- 📅 07/2018 - 02/2021
📍 Etisalat, Dubai - UAE
Senior Full Stack Developer
Worked in the telecom industry, mainly with core sales applications, working closely with customers and business analysts to gather requirements and implement them.
- 📅 06/2015 - 06/2018
📍 egabi, Cairo - Egypt
Software Engineer
Worked in the microfinance industry, built loan management systems, handled support and technical issues reported from the customer side, and applied data migration and integration with third-party tools.

EDUCATION

- 📅 2011 - 2015
📍 Helwan University, Cairo
Computer Science
▷ Graduation Project: Data Visualization framework for Data Analysis using C++ and JS

CERTIFICATES

- Spring Developer Track Linkedin
- AWS solution architect Udemy
- Algorithms on Graphs Coursera
- Machine Learning Stanford Coursera

TOPICS OF INTEREST

- Distributed Systems
- Cloud Native Architecture
- Microservices Architecture
- CI & CD

AWARDS









- 🏆 1st Place MIE Contest (Best GP) August - 2015
- 🏆 1st Place Ibtectar Contest (Best GP) @TIEC December - 2015

YOUTUBE CREATOR

- Microservices Architecture Course Recording
- ▷ Arabic course to help learning Microservices architecture, cloud design principles, patterns and distributed systems challenges.
- ▷ You can find the course on [Microservices Architecture In Arabic](#)

PROJECTS

The following projects are some of the core projects I had worked with, not all!

- 1. Company Architecture Migration**  Unifonic UAE
Dedicated to reviewing the new company goal to upgrade the cloud architecture, working closely with architects and supporting them in understanding existing systems, bottlenecks, and recommended compatible solutions.
Responsibility
 - Review solution architecture and provide feedback on gaps from a tech and business point of view.
 - Analysis for legacy systems, find bottlenecks, and recommend solutions.
 - Topics and Techs**
 - Distributed Systems
 - Microservices
 - Security Attack Mitigation
- 2. Exposure Layer (EL)**  Unifonic UAE
EL is acting as API gateway layer for sending SMS, preparing requests and apply required routings, message orchestrations, handle charging and others, EL is highly scalable systems that follows cloud-native arch.
Responsibility
 - Team mentor and Production support owner
 - Achievement:** Upgrade legacy system to latest tech stack, enhance system performance by identifying the bottlenecks in infra solutions and apply compatible solutions
 - Tech Stack:** AWS EKS Spring Boot (java 16) RabbitMQ Kafka Memcache Cassandra MySQL
- 3. Fraud Detection System**  Unifonic UAE
Achievement: Build core security component that identifies flood and Smishing attacks by understanding the attacker behaviour
Responsibility
 - Reviewed and enhanced the algorithm model.
 - Data layer design and implementation.
 - Build CI pipelines.
 - Tech Stack:** Cassandra AWS EKS Spring Boot (java 17)
- 4. Unified Sales Portal**  Etisalat UAE
Unification for two big telecom sales applications which are managing the core sales business needs (indoor and outdoor) for customers; System allows users requesting new account, managing existing one, moving among telecom companies in UAE.
Responsibility
 - Act as Lead , putting system design & architecture [Microservices].
 - Achievement:** build first event driven order fulfilment module for the company
 - Tech Stack:** Docker Swarm Spring Boot (java 11) Angular 6+ Oracle DB Redis Kafka
- 5. Core banking system**  egabi - Egypt
Starting revamp for egabi product's system which covers the whole process of banking like General Ledger, Loan Management, Account Management etc.
Responsibility
 - Recommend and present a new system tech stack to company stakeholders
 - Deliver first module using microservices architecture, and train the team on the new system design
- 6. Don't Number Disturb (DND)**  Unifonic UAE
DND is a validation microservice that check if numbers is DND or not as part of sending sms flow.
Responsibility
 - System design & architecture. [Microservices]
 - Development and Production Delivery.
 - Tech Stack:** AWS EKS Spring Boot (java 14) Kafka Redis PostgreSQL
- 7. Micro-finance**  egabi - Egypt
Fast-growing, high-street lender operating on a local level to provide comprehensive microfinance solutions to lower-income business owners across Egypt.
Responsibility
 - Leading, Support & Requirements gathering and analysis.
 - Tech Stack:** Oracle weblogic 12 Oracle ADF (java 8) Jasper Report Oracle DB Redis
- 8. Logical Time Manager Library**  Self Done - UAE
Logical time library is a mechanism for solving Order messaging and causality issue in distributed systems.
Responsibility
 - System design and development.
 - Tech Stack:** Java 17, FAT Jar.