

# 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

✉ md.sweelam@gmail.com  
☎ +971 5030 68424  
📍 Egyptian  
📍 Dubai, UAE  
🌐 github.com/sweelam  
🌐 linkedin.com/in/mohamedsweelam/  
📄 stackoverflow.com/users/4177869

## SKILLS

### PLs & Frameworks

Java  
Kotlin  
Spring Boot  
Spring Cloud  
Javascript  
Node JS

### Data Stores & Messaging Systems

PostgreSQL  
MySQL  
Cassandra  
Mongodb  
Redis  
Memcached  
Kafka  
RabbitMQ

### DevOps

Docker  
Kubernetes  
Jenkins  
DroneCI  
ArgoCD  
Grafana  
Prometheus  
SonarQube

### Operating Systems

Linux  
Windows

### Languages

Arabic  
English

### Hobbies

Reading  
Active Podcast Listener  
Football Player



## WORK HISTORY

- 📅 03/2023 - Now  
📍 Almosafer, Dubai - UAE  
**Principle Engineer**  
Principal and Leader of the content and mapping team, my responsibilities include leading the team and provide proper support and coaching, analyzing existing systems, identifying and resolving bottlenecks, designing solutions, and ensuring adherence to best practices and the latest technology 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
  - AWS solution architect
  - Algorithms on Graphs
  - Machine Learning Stanford
- Linkedin  
Udemy  
Coursera  
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

Supporting Arabic content with Software related topics

- ▷ [Microservices Architecture In Arabic](#)
- ▷ [Distributed Systems in Action - Arabic](#)

# PROJECTS

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

- Hotel Mapping System (HMS)**  Almosafer UAE  
Integrating with multiple hotels' contents suppliers, populate latest data change of hotels data; apply the right mapping of hotels and rooms; The system was built following Microservices arch.  
**Responsibility**
  - Leading, supporting and developing
  - Solutionizing and Gathering requirements
  - Code reviewer and mentor
  - Tech Stack:** Spring Boot (java 17) Express (Node JS) AWS Kafka Redis MySQL Mongodb
- 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
- 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
- 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)
- 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
- 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
- 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
- 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 in Java 17.