

Mostafa Gad

SOFTWARE ENGINEER

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Profile

Experienced software engineer with 7+ years of expertise in architecting, designing and developing high performance and reliable systems, and 12+ years of overall experience in IT fields. A Tech Leader and mentor who helped junior and mid-level developers finding their way in the field.

Technical Skills

- **Programming Languages:** Java, Kotlin, shell scripting, Python.
- **Framework:** Spring, Ktor.
- **Database:** SQL (Oracle, MySQL, Postgres, Ms. SQL Server), NoSQL (MongoDB).
- **Cloud Platforms:** GCP (GKE, CompueEngine, SQL, Cloud Storage, Cloud build, Container Registry, IAM, Billing, Monitoring, logging), OpenShift (OKE).
- **Code Management:** Git, Github, GitLab, CVS, Nexus, SonarQube, detect.
- **Messaging Technologies:** tibcoEMS, Kafka.
- **Architectures:** Microservices, Multi-tenant(SaaS), Onion.
- **Methodologies:** Agile Scrum (Certified Scrum Master), Test Driven Development.
- **Platforms:** Containers (docker – Kubernetes), Unix, Linux, Windows, Mac.
- **Tools:** Gradle, Maven, Jira, Swagger, Metabase, Gerrit.
- **Industries:** Telecom – Ecommerce (FMCG) – Last Mile delivery – Food aggregation.

Experience

Expert Software Engineer, Etisalat

Nov 2022 – Jan 2024

Technologies:

Java, Spring, SQL/PLSQL, Oracle Database, Microservices, REST, Docker, Jenkins, OpenShift, SOAP Web services, XML, Junit, Agile Scrum, Unix, GIT, Gerrit, CVS, JMS.

Achievements:

- Reimplemented product catalog following OpenAPI standard as a microservice, containerized and deployed on k8s OpenShift.
- Enhanced the synced integrations to event driven architecture over tibco EMS.
- Worked with DevOps team to implement CI/CD and containerized deployments on k8s OpenShift on several systems.
- Implemented Outbound IVR management system.
- Prepared the Technical part of "Loyalty B2B as SaaS" RFP.
- Defined the members KPIs and the team OKRs

Technical Squad Lead, Capiter**Jan 2022 – Oct 2022**

Capiter is a B2B Ecommerce startup introducing a one stop shop to FMCG retailers.

Technologies:

Java, Spring Boot, MySQL, JWT, Microservices, Git, Maven, Docker, Kubernetes, GCP, Elasticsearch, REST, Swagger, Junit, Kafka, JSON.

Achievements:

- Dynamic home page for Capiter one stop shop B2B app.
- OTP validation and limitation mechanism, Integration with several SMS providers to minimize cost and achieve reliability (integration with twilio, cequens, victorylink).
- Electronic proof of delivery (ePOD)

Principal Software Engineer, Virgin Gates**Nov 2020 – Dec 2021**

Virgin Gates is a startup for food aggregation and delivery serving customers and restaurants.

Technologies:

Kotlin, Kotlin - Coroutines, Ktor, MongoDB, JWT, Microservices, Git, Gradle, Docker, Kubernetes, GCP, Elasticsearch, REST, Swagger, JSON, Jackson, detekt, Junit and REST assured, Test-Driven Development

Achievements:

- Reimplemented the BI connector enhancements for MongoDB to Postgres reporting data migration.
- Implemented the order scheduling mechanism.
- Implemented order timeline.
- Manipulated Metabase configuration for data separation.
- Implemented the email verification cycle.
- Contributed in the implementation of Promotion program - Referral Program - Errands order type - Manual order dispatching - Online payment - ticketing system integration - POSs integration

Senior Software Engineer, Etisalat**Oct 2017 – Oct 2020****Technologies:**

Java, SQL/PLSQL, Oracle Database, SOAP Web services, XML, Junit, Agile Scrum, Unix, GIT, Gerrit, CVS.

Achievements:

- Platform for controlling DCB (Direct Carrier Billing) Transactions.
- Migrated integration from legacy middleware system to TIBCO.
- Introduce a wait and notify request mechanism.
- Hundreds of commercial projects (new telecom offers and bundles)

Operation – Support Engineer, Etisalat**Jan 2012 – Oct 2017**

- Supported various vendor provided and in-house developed applications that covers provisioning, customer support, subscriptions, point of sale and business applications. Vendor-provided applications (BSCS CX / Provisioning - Ericsson Multi-Activation EMA - Wincash - UC4 - HP Operation Orchestration – HPSM suite)
- Led Team and organized tasks according to priority. (I was shift leader to 1.5 year)
- Troubleshooted and define application errors and system unavailability.
- Documented Operation tasks.
- Automated IT Operation tasks.
- Developed SQL and shell scripts to enhance operational task.

Education