Yousef Refaat Elmasry

Software Engineer

Contact Information

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Summary

Passionate and experienced Software Engineer with a strong background in backend and full-stack development. Skilled in Java, Spring Boot, Angular, Microservices, and cloud technologies. Experienced with designing scalable architectures, integrating modern authentication mechanisms, and working with event-driven systems. Strong debugging and problem-solving abilities, with experience leading projects and mentoring junior developers.

Certifications

- **Confluent Certified Developer forApache Kafka (CCDAK)**

Work Experience

MicroServices Developer │ Saudi Investment Bank (Sumerge) (July 2024 - Present)

Software Engineer │ Sumerge (September 2021 – Present)

★ Skills

- **Programming:** Java, JavaScript, TypeScript
- **Frameworks:** Spring Boot, Angular, React, Liferay, IBM BPM, Apache Camel
- **Databases:** SQL, NoSQL, JPA, JOOQ
- **DevOps & Cloud:** Docker, Kubernetes, Redhat Openshift, AWS, Jenkins
- **Event-Driven & Messaging:** Kafka, JMS
- **Other:** OAuth2, Keycloak, Redis, GraphQL, CI/CD, REST APIs, Microservices, BPM & Workflow Automation

✎ Projects

Retail Internet Banking │ Saudi Investment Bank - KSA (Mar 2023 – Aug 2023, Aug 2024 – Present)

- **GraphQL** Acting as an API Gateway to expose business services with flexible querying and aggregation.
- **Service-Oriented Layer** implements business logic and orchestrates domain-specific services.
- **Enterprise Integration Layer (Apache Camel)** to handle message routing, transformation, protocol bridging, and communicate with Core Banking Systems

- Worked extensively with **Spring Boot, MongoDB, JMS, BeanIO, Strapi, and REST APIs**.

- Gained deeper insights into **Java Core (Servlets & JVM), OAuth flows, networking, and AWS**.

- Worked on several domains including **Credit, Transactions, Accounts, KYC**, and **Onboarding**

Loyalty Platform | Etisalat - Egypt (Oct 2023 – July 2024)

- Built a large-scale loyalty system using **Spring Boot, Angular, Kafka, and JOOQ**.

- Designed an **event-driven architecture** and refactored microservices to adopt the **Listen to Yourself** pattern.

- Led the development of an authentication and authorization layer using **Keycloak and OAuth2**.

- Implemented **CI/CD pipelines**, wrote **unit tests**, and created detailed documentation.

- Provided mentorship to junior engineers and conducted technical meetings with stakeholders.

Credit Lending For Unsecured Individual | AlexBank - Egypt (Nov 2021 - Feb 2023)

- Developed a **credit lending process management system** for a major bank in Egypt.

- Led the migration from **IBM BPM to BAW**, resolving complex debugging challenges.

- Automated testing using **UI Path RPA, SOAP UI, and Excel-driven test cases**.

- Built BPM dashboards to **debug production issues efficiently**.

- Promoted to **Software Engineer in early 2023**, leading the project for its final six months.

Mobile App Life Insurance | AXA - Egypt (Sep 2023 – Nov 2023)

- Worked on a **change request (CR)** for a global insurance company's mobile app built with **Ionic and Java Liferay**.

- Designed and implemented life insurance claims integration, working with **Atlassian API**.

- Addressed complex challenges in **Jira ticket automation** to optimize customer workflow.

Static Website development | Freelance (August 2020 – Oct 2021)

- Developed front-end applications using **React** and worked on several **WordPress** projects.

- Delivered a full-fledged **e-commerce website using Shopify** for a startup, **Prodo** (Nov 2020 – Feb 2021).

🎓 Education

Bachelor's Degree in Computer Engineering (2020)

📘 Other Certifications & Learning

- **AWS, Docker, Kubernetes, Kafka, System Design** (Self-taught, personal projects)

- **Data Engineering & Python** (Learning & hands-on experimentation)