Yousef Refaat Elmasry

Contact Information

- **Email:** Yousef000elmasry@gmail.com
- **Phone:** +201228899932 / +966595725131
- **LinkedIn:** linkedin.com/in/yousef-refaat-1597a5172
- **Blogs:** dev.to/yrafe

Software Engineer | Sumerge (September 2021 – Present)

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.

Skills

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

Work Experience

Loyalty Platform (Oct 2023 – July 2024)

- Built a large-scale loyalty system using **Spring Boot, Angular, Kafka, and JOOQ**.
- Designed an **event sourcing architecture** and refactored microservices to adopt the **Listen to Yourself** pattern.
- Lead 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.

Retail Internet Banking - Middleware (Mar 2023 – Aug 2023, Aug 2024 – Present)

- Developed a **middleware layer** for banking services, acting as an adapter between front-end and core banking systems.
- Worked extensively with **Spring Boot, MongoDB, JMS, BeanIO, Strapi, and REST APIs**.
- Integrated **Apache Camel, Redis, and GraphQL** into the architecture.
- Gained deeper insights into **Java Core (Servlets & JVM), OAuth flows, and networking**.

IBM BPM & ODM Project (Nov 2021 – Feb 2023)

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

Insurance Mobile App Enhancement (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.

Freelance Web Developer (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** (Self-taught, ongoing personal projects)
- **Data Engineering Concepts & Python** (Learning & hands-on experimentation)

Additional Information

- **Passionate about technology and continuously learning new skills.**
- **Open to software engineering and full-stack development roles.**