






Mahmoud Aref

Contact Information

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Summary

I am a software engineer with 6 years of experience in software development. I have a strong background in backend development, and I am passionate about learning new technologies all the time.

I have experience in :

- Web applications using Spring Framework and Angular.
- Multiple programming styles like Object-Oriented, Functional, and Reactive.
- Multiple software architectures like Microservices, Monolithic, Service Oriented.

Work Experience

Senior Software Engineer at [Raisin](#) (Feb 2024 - Present)

- Developed multiple features for the Raisin platform.

Senior Software Engineer at [Workmotion](#) (Jan 2023 - Jan 2024)

Worked with WorkMotion on the finance squad to build the tools which manage invoices and payments.

- *Invoice Service* : Participated on the creation of the new invoices service which integrating with NetSuite.

Senior Software Engineer at [Celfocus](#) (Aug 2022 — Jan 2023)

I've worked with Celfocus on a robust product on the Telco-Business called Celfocus Omnichannel.

- *DSP Upgrade* : Worked with the client DU on revamping of its sales portal from the old version of omnichannel to the newest version.

Software Engineer at [JumiaPay](#) (Jun 2021 — Jul 2022)

Working on Jumia Pay team at Business Stream to deliver solutions for JPay Merchants.

- I've worked on most of the JPay modules to create testable RESTful APIs such as : **[Disputes Module, Settlement Module, Campaigns, and Discounts]**
- Participated as a lead role in designing a new project **Pay By Link**, a new service that provides payments through a controllable link.

- Managed to develop a stress test before Black Friday and deliver a comprehensive report.
- Initiated the idea of a Tech Talk meetings to share knowledge with the team and it become a ceremony that we make bi-weekly.

Software Engineer at [Intercom Enterprises](#) (Feb 2019 — May 2021)

Worked with Intercom mostly in banking and fintech sector as it's one of the largest companies in Egypt to deliver complete banking solutions to enterprise banks.

- **AIB Mobile Banking:** I developed an API solution for connecting the core banking for all banking operations, APIs were on a scale to serve the mobile app of all bank users, using spring boot with java.
- **Crédit Agricole Payroll System:** Fullstack spring and thymeleaf payroll system from scratch done to serve millions of clients of the bank to run payroll transactions monthly.
- **NBE ICS:** Intix complementary solution for NBE, I made some tools integrating with Intix to index swift messages on specific filters, using spring boot with kotlin.
- **AIB (Debit Card Gateway):** I revamped an old outdated java project for managing debit cards with ATM and POS, I designed a new sophisticated architecture for the transaction flow from fraud detection to AML check using the best fit tools in spring-boot.

Software Engineer at [Warriorsoft](#) (Jan 2018 — Jan 2019)

Started my job with warriorsoft as a software engineer

- Monitored and fixing bugs for the backend of a live working app called Route-warrior that serves hundreds of blue-collar on the industry of petroleum and mining.
- Worked on support tickets for Kanal - Restaurant Ordering System.
- Created RESTful APIs and real-time streams from Firebase for Kanal.
- Created Reporting tool for Kanal payments.

Education

Bachelor's degree in Computer Science, Cairo University

Graduated from **Faculty of Science , Mathematics Department , Computer Science Major**. Studied pure mathematics and the basics of computational theory along with the fundamentals of computer science and programming , from coding to system design and computer architecture.

Web School, Motoon(Mushtarak) - 2017

At Motoon I studied the following Curriculum :

- Linux Administration
- History of Open Source and Copyrights
- Software Engineering Practices

Skills

- **Languages:** Java, Kotlin, JavaScript, TypeScript, Python,Go.
- **Frameworks:** Spring, Angular, Firebase.

- **Databases:** MySQL, PostgreSQL, MongoDB.
- **Cloud Platforms:** AWS, Google Cloud.
- **Message Brokers:** RabbitMQ, Kafka.
- **AWS:** EC2,S3,SQS,SNS.
- **Tools:** Git, Docker, Jenkins.
- **Libraries:** RxJava, Reactor, Lombok, JUnit, Mockito,Cucumber,Spring Security.
- **Others:** Microservices, RESTful APIs, TDD, CI/CD, Design Patterns, Clean Code, SOLID Principles, DDD.
- **Operating Systems:** Linux.
- **IDEs:** IntelliJ IDEA, Visual Studio Code.

Languages

- **Arabic** : Native
- **English** : Fluent

Hobbies

- Reading
- Anime
- Gaming
- Fragrance Collection