

Hisham R. M. Soliman, Senior Software Engineer

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Motivated backend engineer with +7 years of experience in software development, spanning across software services corporates, governmental entities, and product-based startups.

Experienced in building and maintaining distributed, scalable, and fault-tolerant systems using a wide range of technologies and programming languages (like but not limited to) ASP.NET Core, GoLang, PostgreSQL, Redis, Elasticsearch, Kafka, AWS, Docker, K8s, and CircleCI.

Dedicated to ensuring quality, performance, process improvement, and risk reduction, with a keen eye for detail and a high sense of ownership over products. Committed to delivering high-quality products that meet business needs and exceed customer expectations.

PROFESSIONAL EXPERIENCE

TALABAT (DELIVERY HERO)

Dubai, UAE

Senior Software Engineer

Dec 2020 - Present

- Developed and launched the Refer-a-Friend feature as a cost-efficient paid acquisition channel. The feature has delivered impressive results with conversion rates exceeding the initial goals of the experiment by 2x.
- Designed and implemented a new incentive tactic to attract active Zomato customers, as part of the taskforce to migrate Zomato users to Talabat, surpassing the expected CVR by 84%, and generating AED 14M GMV.
- Provided mentorship and guidance to new joiners and mid-level engineers, resulting in improved team performance and the elimination of bottlenecks caused by single points of expertise.
- Developed a bridge between discount campaign management tools and analytics to enable the analysis of millions of vouchers. This helped reduce overspending on incentives by avoiding over-incentivizing users.
- Develop and maintain essential backend components using .NET Core, PostgreSQL, AWS, and CircleCI while collaborating with cross-functional teams to resolve operational challenges. This ensured reliable and stable backend systems aligned with business needs, enabling seamless operations across the organization.
- Revamped the monolithic voucher codes system by transitioning it to a microservice architecture, resulting in improved scalability and maintainability. Led the rollout to 9 markets, which was executed seamlessly with zero downtime.
- Designed and implemented bin-restriction layer to incentive engine, enabling long-term contracts with Mastercard, Visa, and many banks. Ultimately resulting in increased revenue and strengthened partnerships with key stakeholders.

- Designed a real-time segmentation service to allow for targeted marketing campaigns based on user type and activity. This significantly improved our ability to deliver relevant and effective marketing campaigns, resulting in improved engagement, retention, and revenue.
- Increased testing coverage of the monolithic part of the incentive engine to over 90% by refactoring its codebase. The effort eliminated redundancies, improved maintainability, and ensured a more robust and error-free system.

PRIME MINISTER'S OFFICE
Full Stack Software Engineer II

Dubai, UAE
Jul 2020 - Dec 2020

- Contributed to a major project that is widely used by government ministries and authorities throughout the UAE. Due to the highly confidential nature of the project, I am unable to provide any technical information or details.

WAHED INVEST
Software Development Engineer

Dubai, UAE
Aug 2019 - Jul 2020

- Architected and delivered the "Monthly Statements" feature using aggregator and CQRS design patterns, resulting in faster and more reliable monthly statement generation for our customers.
- Successfully addressed a distributed transaction challenge while implementing the "Change Portfolio" feature by utilizing the Saga pattern, ensuring data consistency and integrity across the platform.
- Developed a data migration tool that facilitated the seamless transition to the "Multiple Accounts" feature across all services with minimal downtime.
- Designed and implemented an event-based retry service with a dead-letter queue, which improved the platform's self-healing capabilities and achieved a 98% success rate for retries. The new error-handling approach also ensured real-time traffic was not disrupted while errors were resolved.
- Worked closely with the operations and infrastructure teams to develop and maintain distributed backend microservices utilizing various technologies such as GoLang, ElasticSearch, Redis, Kafka, Cassandra, GraphQL, AWS, Docker, K8S, and CircleCI.

VALEO
Software Applications Engineer

Cairo, Egypt
Apr 2017 - Jul 2019

- Developed software application tools for internal use that enhanced organizational efficiency, improving workflows and reducing manual tasks. Including a Purchasing, Invoicing, and Budget Forecast System, an Attendance and Vacations System, a Recruitment System, a Talent Management System, and a Smart Meetings Tool.
- Collaborated in the full software development life cycle, including requirements gathering, system analysis, design, development, and deployment, ensuring a seamless process.

- Tech. Stack: Java 8, Spring (Boot - Core - REST - AOP - Data JPA - JMS), Rabbit MQ, NoSQL (MongoDB), GIT, HTML5, CSS3, Bootstrap, jQuery, VueJS, MySQL, ASP.NET C# (Web Forms & MVC 5), Windows Task Scheduler.

EGYPTIAN ARMED FORCES

Software Specialist, Soldier

Mandatory Service

Jan 2016 - Mar 2017

- Collaborated on the development of a system that automated and streamlined the business processes and workflows of the Military Records Department. The project is subject to strict confidentiality, and thus, no technical or additional information can be disclosed.

EDUCATION

CAIRO UNIVERSITY

B.Sc. of Computer Science & Information Systems

Ranked 8th with a GPA of 3.52/4.00, and an Excellent grade

Cairo, Egypt

2011 - 2015

ADDITIONAL INFORMATION

- Languages: Arabic (Native) - English (Professional).
- Gender & Marital Status: Male, married, and has one kid.