

Islam Magdy Mahmoud

Senior Full-Stack Developer

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PROFILE

- Experienced JavaScript-based full-stack software developer with long professional experience in front-end (developing frontends from 2011 to 2016).
- Skilled in apps development utilizing technologies including Node, PostgreSQL, Mongo, GraphQL, React React Native, Vue, & Lit.
- Highly skilled with frameworks including Express, Svelte, Nest & Nuxt.
- Experienced in building native serverless apps or by using Serverless framework to on different cloud providers such as AWS and GCP.
- Strong architecture experience designing and scaling distributed systems using message/event-driven micro-services, or serverless or monolithic or even a combination of all (depending on the system being built or if in production already).
- Very much willing and open to learning new technologies and techniques.
- Production experience with:
 - AWS's products including CloudFront, Route53, ECS, S3, RDS, EC2, Chatbot, ECR, SNS, SQS, CloudWatch, CodeBuild & CodePipeline.
 - GCP's products including Cloud Run, Cloud Build, Cloud DNS, Container Registry & Cloud Functions.
 - Firebase, building e-commerce front and back ends using technologies like Firestore, Firebase Auth, Firebase Hosting (with Cloud Run).
 - integrating third party technologies such as Elastic Search & Algolia for adding search capabilities, Stripe & Braintree for payments.
- Strong advocate for Unit, Integration (various tech.), & End-to-End testing (Puppeteer or Playwright), in addition to building CI/CD automation pipelines in AWS, GCP and CircleCI.
- Production experience working on enterprise e-commerce systems on both front and back ends.
- Experience working with legacy systems.

EXPERIENCE

JUL-2022 to Present — Rotterdam, The Netherlands

NN TECH LEAD

In my current role as Tech Lead at Nationale-Nederlanden (NN Bank), I have the honor of steering a team of adept software engineers, customer journey experts, and UX designers. Our mission is to revolutionize the mortgage loan sector through technological innovation. We employ the SJGAR stack—Serverless Framework, JavaScript, GraphQL, AWS, and React—as our Digital Product Tech Stack (DPTS) for the majority of our applications.

Since assuming this leadership position in July 2022, my team and I have been dedicated to automating and streamlining processes for our clients and advisors. Our primary objectives include:

- Automating Loan Repayment: Implementing comprehensive solutions for full and indicative loan repayment processes, and facilitating second mortgage loan requests.
- Legacy System Migration: Transitioning legacy components, previously built with Java among other technologies, to our modern SJGAR stack, ensuring scalability and adaptability for future needs.

My responsibilities encompass:

- Strategic Leadership: Providing technical direction and fostering a culture of excellence and continuous improvement within my team.
- Cross-Team Collaboration: Working alongside other tech leads to enhance the technological landscape within the mortgage domain, sharing best practices, and optimizing our collective offerings.
- Innovation Management: Driving the development of cutting-edge solutions to automate client processes, thereby enhancing efficiency and advisor productivity.
- Technical Decision-Making: Leveraging my technical acumen to make informed decisions and effectively communicate with stakeholders across the board.

I am deeply committed to nurturing a culture of innovation and excellence at Nationale-Nederlanden, and I eagerly anticipate continuing to propel our success and technological advancement.

DEC-2021 to JUL-2022 — Rotterdam, The Netherlands

NN SENIOR FULL STACK ENGINEER

In my role as a Senior Full Stack Engineer at Nationale-Nederlanden, I specialized in the development of innovative repayment tools and applications designed to empower mortgage clients with the ability to manage and gain insights into their mortgages. My responsibilities included:

- Developing Full Stack Solutions: Architecting and implementing full-stack features with a focus on performance, scalability, user experience and resilience.
- Technology Integration: Seamlessly integrating a diverse stack of Node.js & AWS technologies to deliver comprehensive solutions.
- Collaborative Development: Working closely with cross-functional teams to ensure cohesive product development and deployment.
- Client-Centric Design: Tailoring applications to meet the specific needs of mortgage clients, enhancing their ability to make informed financial decisions.

MAY-2018 to JUN-2021 — Istanbul, Turkey | Dubai, UAE | Cairo, Egypt

VNGRS SENIOR FULL STACK ENGINEER

- At VNGRS (based in Istanbul), I'm gaining great experience by working with teams & clients from a variety of nationalities! I've worked with Dubai based clients (Al-Tayer & Majid Al Futtain) and USA based (WhatsNeu).
- I've worked on Al-Tayer e-commerce products such as Ounass, Nisnass, GAP, & Mamas and Papas, I was working with a large team on both front and backends of the web apps, adding new features, and fixing bugs on both front and back ends.
- Also had a great experience working on consumer facing Mall mobile apps for some of the world's most popular malls such as Mall of Emirates, Mall of Egypt, and all City Centres apps. I was working on the backend APIs with only 1 developer we've created the entire mobile backend serverless APIs from scratch.
- I'm currently rebuilding WhatsNeu from scratch outside of Shopify (everything, storefront, admin, ...etc).
- I've gained a lot of remote work experience by working over 3 years remotely in this position.

FEB-2017 to APR-2018 — Egypt

SHEENVALUE TECHNICAL LEAD

- Provide technical leadership to teammates through coaching and mentorship.

- Manage a software engineering team that builds, designs, implements and maintains front-ends and back-ends for Sheenvalue's products and services.
- Influence and establish best engineering practices through solid design decisions, processes and tools.
- Build educational apps for Curriculum and Student Management for K-12.
- Had production experience building StoryFile mobile app using React Native.
- Collaborate with other software engineers, business analysts and software architects to plan, design, develop, test, and maintain web, desktop, and mobile-based applications.
- Assist in the collection of requirements, development of user stories, estimates and work plans.
- Adhere to established engineering standards while delivering solutions on-time and on-budget.

FEB-2016 to FEB-2018 — Egypt

HATAXI CO-FOUNDER & TECHNICAL LEAD

- Built it from scratch the system backend APIs and admin console for Hataxi mobile app.
- Made multiple successful releases supporting thousands of users, and millions of API hits daily.
- Technology stack based on Node (APIs), Meteor (Admin Console) and Mongo.
- Had a chance to get in-depth experience with Mongo geospatial queries to manage locations tracking, finding nearby drivers,.. etc.
- Cooperate on the business requirements, and side of the app.

AUG-2015 to JAN-2017 — USA

SKYCODE TECHNICAL LEAD

- Skykode is a U.S.A. based company, operating from Boulder, Colorado, and running development with remote team in Madinaty, Cairo. My work with was 90% remote from home, with some days from office for team gatherings.
- Had experience building the team and help establishing the fresh startup since day one.
- I've focused on company's primary product "KodingLab", targeting computer science colleges, and community colleges.

- My role was engineering leadership. I manage Software Engineering team, and direct collaborative efforts to meet companies goals in growth and success.
- I've brought modern technologies and delivered knowledge to the team members, help everyone develop their skills, write better code, and participate effectively in engineering discussions.
- KodingLab is an educational SaaS, I've started building it from day one, ground up, and have put the foundation for all system components.

2016 to 2016 (1-2 months) — Egypt

EL-MENUS SR. FRONT-END ENGINEER

- Moonlighting with El-Menus, a very popular online service in Egypt for checking restaurants and menus.
- Worked on the front-end, and with a small team, I've helped in building the search module ground up.

MAY-2014 to AUG-2015 — Egypt

MOSTAQQEL SR. FRONT-END ENGINEER

- Mostaqquel was a new experience, working on a company-owned product, rather than clients'. Now I have more chances to show my full potential in front end development.
- Utilized modern (at that time) technologies like Web Components (Polymer back in the time), and web sockets.
- Mostaqquel is Egypt's first Freelancing Platform, I'm responsible for leading the front end development on Mostaqquel, fine tuning the UI interactions, behaviours, and the user experience through cutting end techniques and technologies. Mostaqquel have later merged into Worcbbox.

JUL-2011 to MAY-2014 — Egypt

NILECODE SR. FRONT-END ENGINEER

- My first professional role (after being full-time freelancer).

- Joined front-end team, coming from a full-time freelancing background.
- Responsible for crafting user experience on the websites we create. Most of times I build the project ground up, other times I join in the middle of a running project and help get it delivered.
- I'm also responsible for creating user experiences for the web and mobile apps we create, I've mastered JavaScript during this time, and was able to create real-time high performance apps and building user friendly interactions.
- Nilecode is now IntDev.

2008 to JUL-2011

SELF FREELANCER FRONT-END ENGINEER

- Working as a freelancer for clients from Egypt, KSA & USA.
- Worked on small to medium size projects, like BundleHunt, and KodingLab.
- Many other personal experiments.

PROJECTS

For full list of the projects I've worked on, and for more information, please check my LinkedIn profile: <https://www.linkedin.com/in/imagdy/>

THANK YOU