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Bassem Tarek Mahrous

Software Engineer

Summary

Experienced Engineer with 5 years of software development expertise. Delivered projects valued at up to $100K, collaborating with cross-functional teams of approximately 20 professionals.
Skilled in transforming ideas into MVPs through strategic methodologies.
Continuously improving skills to drive impactful outcomes.
Ready to contribute expertise to drive successful project outcomes.

Education

Mansoura University
Preparatory For Master Of Science, Computer And Systems Engineering *September 2022 - April 2023*

Alexandria Higher Institute of Engineering and Technology
bachelor of science, electronics and communications engineering *November 2015 - June 2020*

Experience

Backend Developer
GiveBrite LTD *March 2024 - Present*

- Led backend development using Golang and NestJS microservices, improving scalability and maintainability across multiple services.
- Architected and optimized APIs serving over 50K active users, reducing response time by 35%.
- Contributed to the development of Simply Nikah, a large-scale matchmaking platform built with a microservices architecture, enabling real-time interactions and event-based matchmaking.

Flutter Developer
Lockers LLC *November 2023 - March 2024*

I crafted and managed the Lockers client and driver mobile app, boosting user engagement by 11% and enhancing in-app functionality. Integrated REST-based and third-party APIs to expand features and improve the user experience, resulting in an 8% increase in retention.

React Native Developer
blthanih LLC *September 2023 - March 2024*

- Developed and maintained blthanih client, employee mobile app, to increase user engagement and a 15% improvement in in-app functionality.
- Integrated REST-based and third-party APIs, expanding app features.
- Enhance user experience, leading to a 30% increase in user retention.

Full-stack Mobile Developer
Montu LLC *September 2022 - January 2024*

- Developed and maintained Montu's mobile app, resulting in a 20% increase in user engagement and a 15% improvement in in-app functionality.
- Designed and maintained scalable backend infrastructure with NestJS, improving response time.
- Integrated front-end systems for seamless functionality.
- Collaborated with cross-functional teams to deliver high-quality solutions, increasing customer.
- Engineered CI/CD processes, reducing app update time by 40% and ensuring smooth.

Flutter Developer
Aqtar Design *December 2020 - March 2022*

- Collaborated with the design team to develop communication channels through mobile apps and websites, resulting in a 20% increase in user engagement.
- Optimized code and conducted code reviews, leading to a 30% improvement in application performance.
- Stayed updated with industry trends, implementing innovative solutions that reduced process time by 25%.

Projects

Horus Arcade
Fanar, LLC

- Built and shipped Horus Arcade, a mobile game app with 23 arcade, puzzle, brain, board and word games, live on the App Store and Google Play.
- Developed the app with React Native (Expo), TypeScript, Zustand, Reanimated and Skia, backed by a Go API on Fly.io for accounts, cloud saves and leaderboards.
- Implemented online multiplayer, Game Center and Google Play Games leaderboards, XP and weekly ranks, offline score sync, in-app purchases and ads.
- Published web builds of two games to YouTube Playables using Phaser. App Store - Google Play

Dahabna
Fanar, LLC

- Built Dahabna, a gold prices app for Egypt with live 24k, 21k and 18k prices, a gold portfolio, a zakat calculator, price alerts and retirement planning, in Arabic and English.
- Developed the mobile app in Flutter, with a TypeScript price API on Cloudflare Workers and Firebase for push notifications and cloud sync.
- Built a bilingual Next.js landing page with SEO, structured data and a smart store-redirect link for ad campaigns. App Store - Google Play

SHM
Mindovaq

- Built SHM, a market information and trading tools app for Egyptian investors: EGX support and resistance levels, real-time price alerts, and average-down and position-size calculators, in Arabic and English.
- Developed the mobile app in React Native (Expo) with TypeScript and Tailwind, a Go backend (Gin, GORM, PostgreSQL) on Fly.io, and an Angular admin dashboard on Cloudflare.
- Integrated Firebase for push notifications and price alerts. Google Play

Simply Nikah
GiveBrite LTD

- Designed and developed the backend microservices for Simply Nikah, a large-scale matchmaking platform.
- Built modular services using Golang and NestJS with PostgreSQL and Redis, deployed in a Dockerized microservice environment.
- Implemented event-driven flows, real-time chat, and scalable API integrations for third-party services like Stream and Twilio.
- Improved backend performance by 40% through optimized query design and asynchronous processing.

Montu
Montu LLC

- Produced scalable infrastructure using NestJS at Montu, resulting in a 30% improvement in app performance.
- Integrated services and implemented new features, leading to a 40% increase in user engagement. Details - Merchant Dashboard - Demo

Alawfar
Alawfar

- Launched an e-commerce app for the Philistine region, driving 50% sales growth in 3 months. Executed COD payment option (70% transactions).
- Streamlined shopping process, reducing cart abandonment by 20% and improving conversions by 25%.
- Achieved 95% customer satisfaction and foster long-term loyalty. Details

GulfCoin
GulfCoin

- Delivered a user-friendly website and mobile app for GulfCoin, facilitating wallet management, pre-sale purchases, and account monitoring.
- Empowered users to embrace digital finance and contribute to its growth.
- Achieved a 50% increase in user adoption and facilitated secure transactions worth $1M. Details

Technical Skills

Golang, NestJS, Microservices Architecture, React Native, Flutter, Verilog, LaTeX
Docker, monorepo, GraphQL, TypeScript, PostgreSQL, OOP, Git
CI/CD, DevOps, Shopify, AWS

personal Skills

Waterfall and Agile, leadership, decision making, User story map, teamwork, brainstorming.