

Ahmed Hossam

Full-Stack Software Engineer

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SUMMARY

Full-stack engineer with seven years across product teams and my own game studio. Founding engineer on Harbor, now past 10 million users. Founder of Quartz Apps, whose three games have 300k+ players. I came from UX design, so I handle the product decisions as well as the code.

EXPERIENCE

Harbor (Windwalk)

Texas, USA (Remote)

Lead Engineer

Mar 2026 – Present

Senior Full-Stack Engineer

Dec 2024 – Mar 2026

Full-Stack Engineer

Nov 2022 – Dec 2024

- Founding engineer on Harbor, a no-code platform where brands run their own community and reward their regulars. Built at Windwalk (YC W19, backed by a16z SPEEDRUN) on a \$4.5M seed. Now past 10 million users.
- Built Virgil, Harbor's agent OS. A community team briefs a campaign in plain language and Virgil picks the cohort, drafts the channels, timing, limits and fulfilment, then ships it across the hub, Discord and email.
- Every Virgil action lands as a diff a human approves before it goes live, under role-based permissions, a full audit log, and a dry-run mode that runs a campaign against real data without sending anything.
- Own the analytics pipeline end to end, from event collection through to the numbers community managers make decisions on.
- Built most of Harbor's major social integrations, the connections out to the platforms a community already lives on.
- Work across the stack: C# services and MySQL schemas behind a Next.js and TypeScript front end, running on ECS Fargate, EC2, RDS and ElastiCache, with CloudFormation and CloudWatch around it.

Quartz Apps

Wyoming, USA (Remote)

Founder and CEO

Apr 2020 – Present

- Three games: Bake.gg, a bakery sim; Isles.gg, an island RPG; and Halfdrawn, a daily drawing game. 300k+ players, 15,000 of them every month.
- Node.js and Java services on PostgreSQL, MongoDB and Redis, with RabbitMQ absorbing the spikes. Every action renders server-side to pixel art rather than text, which is the reason the games spread at all. Shipped in 14 languages.
- Grew the community from nothing through creator partnerships and paid placement, then built the subscription business on top of it. Revenue up 25% month over month.

Orchids (Guse, Inc.)

California, USA (Remote)

Senior Software Engineer, Contract

Nov 2025 – Jan 2026

- Three-month contract at Orchids (Y Combinator W25), an AI agent that plans, writes and debugs full-stack applications from a chat prompt.
- Built the syncing that keeps a project consistent across the desktop app and the web, the piece every other feature depends on being correct.

JéGO Technologies

Design Manager

Florida, USA (Remote)

Aug 2021 – Nov 2022

- Led UI and UX for the mobile apps behind JéGO's self-driving electric pods.
- Built the brand from scratch: type, colour, iconography, and the templates marketing worked from.

Supwork

Product Designer

Delaware, USA (Remote)

Mar 2019 – Apr 2020

- Designed the Supwork interface and wrote the guidelines that kept web and mobile consistent.
- Sat with the engineers through build so what shipped matched the spec.

EDUCATION

Misr International University

BSc Computer Science, Software Engineering

Cairo, Egypt

- Coursework: data structures and algorithms, system design, software architecture, artificial intelligence, object-oriented programming.
- TinyTalk, graduation project: a speech therapy app for children in React Native and Node.js. It read a child's speech as they spoke and adapted the exercises to what they struggled with.
- Coursework projects in PHP and Laravel, alongside the C++ and Java work.
- IT Co-Head, ACPC community. Recruited and ran a technical team of 20.

SKILLS

Languages: TypeScript, JavaScript, C#, Java, Python, C++, PHP, SQL

Front end: React, Next.js, Vue, React Native, Flutter, Tailwind CSS, HTML, CSS

Back end: Node.js, .NET, Laravel, REST API design, RabbitMQ, Redis, WebSockets

Databases: PostgreSQL, MySQL, MongoDB, Redis

AI: LLM agents, agentic workflows, human-in-the-loop approval, MCP, prompt engineering, code generation, generative AI

Cloud and DevOps: AWS (EC2, ECS Fargate, RDS, ElastiCache, CloudFormation, CloudWatch), Azure App Service, Google Cloud, DigitalOcean, Cloudflare Workers, Docker, GitHub Actions, CI/CD, Linux, Apache, Git, Postman

Product and data: Stripe, PostHog, Google Analytics, A/B testing, UI/UX design, Figma, Adobe Creative Suite, gamification, localisation, technical documentation

Spoken: English (C2, proficient), Arabic (native)