

Efraim Nabil Nafady

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EDUCATION

B.S.c in Computer Science, Suez Canal University

Oct 2020 - Jul 2024

- Graduated with **Very Good**

WORK EXPERIENCE

OpenTier

Software Engineer

Dec 2024 - Aug 2025

Hybrid — Cairo, Egypt

- Worked across the full stack on frontend and backend systems, contributing to core features and performance improvements.
- Implemented CI pipelines and improved automated testing coverage across critical services (using Playwright).
- Developed and maintained real-time monitoring dashboards (Grafana + Prometheus) to improve observability.
- Collaborated with cross-functional teams in a hybrid environment to deliver secure and scalable mobility solutions.

Software Engineering Mentorship Program (with Hussein El-Sayed, SDE III at Amazon)

May 2024 - Dec 2024

Participant

Remote

- Participated in mentorship program led by a senior Amazon engineer, focusing on backend and frontend engineering principles.
- Feedback and insights gained through weekly code reviews and technical discussions.

PROJECTS

EchoLang | Ai Agents, Next.js, MongoDB, Prisma, Shadcn UI

In Progress

- Designed and developed a language learning platform based on the CEFR framework (A1–C2), combining human-created content with AI practice.
- Built with Next.js, MongoDB, and Prisma ORM; migrating backend to NestJS for better modularity and scalability.
- Features include interactive lessons, AI chat partners, pronunciation feedback, real-time speech recognition, and progress tracking.
- Architected structured course system (users, courses, modules, lessons, exercises, enrollment, progress, and certification).

Service Health Monitor Portal | Java Spring Boot, InfluxDB, MySQL, Docker, React, TypeScript, TailwindCSS

Github 🐙

- Developed a full-stack service monitoring portal to visualize real-time service health and uptime.
- Built a log simulator, integrated time-series data aggregation, and containerized microservices using Docker.

Medical Society (Graduation Project) | React, Typescript, TailwindCSS, Redux toolkit, React router

Github 🐙

- Our project offer real-time monitoring, appointment management, digitized prescriptions, revolutionizing medical services.
- Developed the website of the clinic system for doctors to manage appointments and type digital prescriptions.

SKILLS

- **Languages & Frameworks:** JavaScript, TypeScript, SQL, C/C++, Node.js, React, Next.js, Redux, Express
- **Tools & Technologies:** MongoDB, MySQL, Docker, Git, Linux, Prometheus, Grafana, Playwright

ACHIEVEMENTS

- Ranked 3rd out of 200 teams on ECPCQ day 9 - ECPC Finalist Aug 2023
- Ranked 13th out of 200 teams on ECPCQ day 9 Aug 2022

VOLUNTEERING

ICPC Suez Canal University

Problem Setter, Website Developer, and Mentor

May 2022 - Sep 2023

- Mentored students on problem-solving techniques and algorithms; authored over 50 original programming problems.
- Designed and maintained the official ICPC SCU website to support training, events, and community engagement. Website