

KAREEM BADAWY

Software Engineer III

✉ contact@kareembadawy.com 📍 Alexandria, Egypt ☎ +20 11 1644 4076
📱 WhatsApp [in](#) [kareembadawy](#) [kareembadawy](#) [kareembadawy.com](#)

ABOUT ME

"Software engineer with 7+ years of experience, passionate about scalable backend solutions and mentoring engineering teams to deliver clean, maintainable code."

EXPERIENCE

Software Engineer III

Progras

📅 October 2024 - Present 📍 Copenhagen, Denmark · Remote

- Leading backend development for HeimHub, a smart home automation platform serving real estate owners and tenants across Denmark [[heimhub.dk](#)].
- Designed and implemented scalable APIs to manage inspections, asset tracking, and tenant onboarding workflows, improving operational efficiency.

Technologies: [Ruby](#) [Rails](#) [PostgreSQL](#)

Software Engineer II

TreviPay

📅 August 2022 - September 2024 📍 Kansas, United States · Remote

- Developed and maintained fraud detection and B2B payment processing features for a large-scale fintech platform.
- Designed robust and scalable microservices to support fraud prevention, helping protect customers' financial transactions with high reliability and performance.
- Improved platform security and performance, while maintaining high code quality through automated test coverage and continuous code review.

Technologies: [Ruby](#) [Rails](#) [PostgreSQL](#) [Kubernetes](#)

[RabbitMQ](#) [Vue](#) [AWS](#)

Software Developer II

eSpace

📅 January 2022 - July 2022 📍 Alexandria, Egypt · Hybrid

- Contributed to the development of Egypt's national Elections portal backend, managing inquiries and processing polling center change requests from thousands of judges [[elections.eg](#)].
- Contributed to a teleradiology reporting platform that connects hospitals with freelance radiologists on demand [[expert-i.com](#)].
- Led the company's internship program, mentored 12 interns to develop a ChatGPT-powered chatbot for natural language SQL translation.

Technologies: [Ruby](#) [Rails](#) [PostgreSQL](#) [Docker](#) [Sidekiq](#)

EDUCATION

M.Sc. in Computer Engineering

Arab Academy for Science Technology and Maritime Transport

📅 Alexandria, Egypt, 2020 - Present

B.Sc. in Computer and Communication Engineering

Faculty of Engineering Alexandria University

📅 Alexandria, Egypt, 2012 - 2017

DEVELOPMENT STACK

[Ruby](#) [Ruby on Rails](#) [PostgreSQL](#)
[AWS](#) [Docker](#) [Kubernetes](#)
[RabbitMQ](#) [Sidekiq](#) [GraphQL](#)
[React](#) [HTML](#) [CSS](#) [JavaScript](#)

LANGUAGES

Arabic: [Native](#)

English: [Professional proficiency](#)

TECHNICAL WRITING

📝 [Technical Blogger at DebugDuck](#)
📅 2025 - Present

Author of technical articles on Ruby, Rails, system design, and software engineering best practices. Helping developers deepen their knowledge and solve real-world challenges.

MENTORSHIP

👥 [ADPList Mentor](#)
📅 2022 - Present

Providing career guidance and technical mentorship through ADPList. Supported 100+ mentees across 23 countries, delivering over 4,000 minutes of one-on-one sessions focused on backend development, interview preparation, and career growth.

EXPERIENCE

Software Developer I

eSpace 

 December 2018 – December 2021  Alexandria, Egypt · Hybrid



- Participated in the development of a SaaS system for e-learning platforms, optimizing its structure to handle multiple tenants and improving its scalability and performance.
- Implemented the Domain-driven design architecture for an HR system that efficiently handles employees' leave requests and balance calculations.

Technologies: Ruby Rails PostgreSQL GraphQL React

Software Developer

eSpace 

 September 2017 – November 2018  Alexandria, Egypt · On-site


- Contributed to the development of Aanaab, an online platform offering Arabic-language courses for teachers, which reached over 37,000 teachers in the Arab world. Aanaab also successfully raised \$1.5 million in its first external funding round, which played a critical role in its success [aanaab.com ].
- Collaborated with the Ministry of Human Resources in Saudi Arabia to develop the Bahr platform that helped over 500,000 male and female freelancers improve their skills and connect with potential clients, contributing to the growth of the gig economy [bahr.sa ].


Technologies: HTML CSS JS Bootstrap Git

INTERNSHIPS

Software Intern

eSpace 

 July 2017 – August 2017  Alexandria, Egypt · On-site

- Designed and developed the popular mobile game "90 Sanya", which has been downloaded over 1 million times and received a 4.5 rating on Google Play [bit.ly/90-sanya ].
- Created an augmented reality application for iOS using ARKit, inspired by the game Minecraft, that allowed users to interact with virtual objects in the real world.

Technologies: React Native Swift Photoshop Illustrator

Software Intern

IBM 

 June 2016, August 2015  Cairo, Egypt · On-site

- Worked on Front-End Development using AngularJS 2, gaining valuable experience in creating dynamic and responsive user interfaces.
- Learned Android Development using Java and Android Studio, allowing for the creation of custom Android apps with basic functionality.

Technologies: AngularJS Java Android

MOST PROUD OF

Advanced Web Development, Nano Degree Program

 2020  Udacity

Gained strong experience in Python and Flask, building RESTful APIs, and applying real-world freelance skills that enhanced my project delivery and professional independence.

Winner of Imagine Cup, Egypt

 2017  Microsoft

Secured first place in Egypt and participated in the Middle East and Africa finals in Lebanon, reinforcing my skills in teamwork, innovation, and technical leadership. The project was a mobile application that captured children's drawings of 3D shapes—like cubes and pyramids—and converted them into interactive augmented reality models, which could also be 3D printed as tangible toys.

STUDENT ACTIVITIES

Microsoft Student Partner

 2015 – 2017

Organized and led workshops, sessions, and tech campaigns that impacted over 3 million students across Egypt. Empowered future developers with Microsoft tools and nurtured technical leadership among peers. Developed public speaking, event management, and team coordination skills that continue to support my career in engineering leadership.