

Zeyad Tarek

Software Engineer
Computer Engineering B.Sc
Cairo University, Faculty of Engineering
CGPA: 3.7

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Technical Skills

- Knowledge in OOP, design patterns and SOLID principles.
- Ability to write clean and maintainable code.
- Capable of writing quality tests covering all edge cases.
- Experienced in Database Systems, Web Development, and Software Engineering.
- Domain specific knowledge in Image Processing, Computer Vision, VLSI, Microprocessors, Algorithms, Embedded Systems, Operating Systems, Computer Architecture, and Machine Learning.

Technologies

Nest.js, Rails, Node.js, Express.js, MySQL, MongoDB, PostgreSQL, Mongoose, Sequelize, Docker, Redis, Jest, React.js, Next.js

Languages

Ruby, Go, JavaScript, TypeScript, SQL, C, C++, C#, Python, x86 assembly, Java, PHP

Education

2019 - 2024
B.S. COMPUTER ENGINEERING
Cairo University,
Faculty of Engineering
CGPA: 3.7

Accomplishments

- Participant in Code Jam 2022
- React Nanodegree
- Participant in ECPC 2021
- Qualified to ECPC 2022
- Web Development Nanodegree
- Programming For Everybody
- Python Data Structures

Work Experience

Open Source Developer at Meta

JUNE 2024 - NOW

- Working on Mariana Trench, a security-focused static analyzer for Android applications and Java. It performs taint analysis to find security vulnerabilities.

Technologies used: C++, Java, Python

Backend Engineer at Elmawkaa

FEB 2023 - NOW

- Built a remarketing automation system that serves more than 17,000 users. This involved designing, developing, testing, and implementing the system, as well as ensuring its reliability and scalability.

Technologies used: Node.js, AWS, Redis, PostgreSQL, MongoDB, Baserow

Open Source Fellow at Solana Labs

MAY 2022 - AUG 2022

- Worked remotely with the US team to launch the Solana Bounty Program, an open-source Next.js DApp written in TypeScript that streamlines the process of managing, funding, and claiming bug bounties hosted on the Solana blockchain.

Technologies used: React.js, Next.js, TypeScript

Backend Engineer Intern at Master Micro

JUL 2022 - AUG 2022

- Worked on developing the website and enhancing the database performance.

Technologies used: Laravel, MySQL, Bootstrap, Sass

Open Source Contributor at GSSoC'22

MAR 2022 - MAY 2022

- Contributed in many open source projects.

Technologies used: HTML, CSS, JavaScript, C++

Software Engineering Intern at Nahr Development

OCT 2021 - NOV 2021

- Responsible for designing and implementing responsive web pages.

Technologies used: HTML, CSS, JavaScript

Technical Projects

Shakers Academy REST API

2023

A Freelance project for a teacher to allow his students to take the lectures online and manage the exams for the students, The project follows a modular MVC architecture and utilizes dependency injection, and SOLID principles, a well-structured and maintainable code-base.

Technologies used: Nest.js, PostgreSQL, TypeORM, AWS S3

Reddit Replica REST API

2022

A Project that mimics the Backend part of reddit.

Technologies used: Node.js, Express.js, MongoDB, Multer, FCM notifications

Mini Amazon

2022

A full stack Ecommerce application that provides multiple functionalities like: Reset password, Payments, Pagination, and Generate a PDF invoice.

Technologies used: Node.js, Express.js, MongoDB, Bcrypt, Stripe, Socket.io

Shopping Store REST API

2022

A RESTful API to support online store with multiple endpoints.

Technologies used: PostgreSQL, Node.js, Express.js, TypeScript, Jasmine