

AHMED HENDAWY

Based in Egypt, open to relocation or remote opportunities

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SUMMARY

Backend Software Engineer specializing in cloud development. Proficient in Go, Python, and JavaScript. Experienced in building scalable, cloud-native applications using Go. Skilled in databases (PostgreSQL, MySQL, MongoDB, Redis), messaging (Kafka, RabbitMQ), caching (Redis, Memcached), and cloud platforms (AWS).

EDUCATION

Mansoura University

Egypt

BSE, Computer Engineering

Aug. 2019 – June 2024

Faculty of Engineering, Department of Computer Engineering and Control Systems.

Undergraduate Coursework: Operating Systems; Database Design; Data Structures; Algorithms; Distributed Systems; Comp. Architecture; Web Applications Design.

PROFESSIONAL EXPERIENCE

Information Technology Institute (ITI)

Egypt

Backend Engineering Intern

July 2023 – August 2023

- **Backend Knowledge (GitHub):** implemented authorization, authentication, DataBase integration, etc.
- **Library Management System (GitHub):** Created a library management system featuring user registration and an admin dashboard. Optimized existing PostgreSQL queries by 35% using indexing.
- **Skills:** Python; Django; PostgreSQL; Bootstrap; HTML; CSS; JavaScript.

National Telecommunication Institute (NTI)

Cairo, Egypt

AI Engineering Intern

July 2022 – August 2022

- Implemented sophisticated recognition algorithms, significantly enhancing the accuracy and efficiency of detection systems.
- Applied knowledge of Linear Algebra to optimize existing recognition systems by up to 10%.
- Participated in group projects, and practiced leadership, teamwork, problem-solving, and effective communication.
- **Skills:** Python; TensorFlow; Jupyter Notebook; Linear Algebra.

PROJECTS

X (Demo, GitHub): Currently maintaining this open-source project onboarded over 100 active users within 1 month. It features interacting with Twitter API, facilitating tasks like posting tweets and scheduling future tweets with a 100% successful tweet execution rate. Its uptime is 100% since launch.

It incorporates OAuth2 protocol for user authentication. Go, OAuth 2.0, Node.js, Next.js, TypeScript

Dear self (Demo, GitHub): Developed email scheduling service, leveraging GoLang for backend operations and Next.js for Frontend development. The system integrates with Mailjet to facilitate reliable email dispatch. This project demonstrates proficiency in full-stack development, asynchronous programming, and third-party API integration.

Bats (GitHub): Fully-featured social media app built with React, Go and MySQL. Leveraging Golang concurrency features on the server allowed more than 60% RPS on the same VPS.

SKILLS

Languages: Go/Golang, Python, JavaScript, TypeScript, HTML, CSS, C, C++, Bash.

Technologies: Node.js, Next.js, Django.

Developer Tools: Git, Docker, Cloud Platform, VS Code, MySQL, PostgreSQL, MongoDB, Linux, Shell, LaTeX.

Software Engineering: Object-oriented design, Test-driven development (TTD), Algorithm Design, Data Structures, Problem Solving, Complexity Analysis, Distributed Systems, Relational database, NoSQL databases.

VOLUNTEERING

IEEE Mansoura Student Branch (August 2020 - November 2022): Served as a coordinator and helped in organizing competitive programming contests to foster an intellectually stimulating environment.

ICPC Mansoura University (April 2022 - July 2023): Coordinated various events including Tech-Elixir 2.0, Career Insider 6.0, and IEEE Victoris 1.0.