

AHMED HENDAWY

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SUMMARY

Highly motivated Software Engineer with a focus on Backend and Cloud Development. Skilled in developing scalable and efficient cloud-native applications using Golang, Python, and TypeScript. Proven ability to apply algorithmic thinking and strong problem-solving skills to create robust and maintainable solutions. Seeking a challenging role where I can contribute to impactful projects.

PROFESSIONAL EXPERIENCE

Backend Engineer

Remote · Austin, Texas, United States

Layer5

Nov 2024 – Jan 2025

- **Skills:** Golang; TypeScript; Docker; Kubernetes; Bash.
- Upgraded Meshery and all its components to Go 1.23, ensuring compatibility and leveraging new language features for improved performance and stability.
- Added workflows to validate the functionality of Meshery components, ensuring continuous integration and automated testing for consistent and reliable performance.
- Contributed to MeshKit to enable the integration of adapters like Istio and Cilium into Meshery, enhancing its extensibility and support for various service meshes.

Backend Engineer Intern

Egypt

Information Technology Institute (ITI)

July 2023 – August 2023

- **Skills:** Python; Django; PostgreSQL; Bootstrap; HTML; CSS; JavaScript.
- Created a library management system featuring user registration and an admin dashboard. Optimized existing PostgreSQL queries using indexing.

AI Engineer Intern

Egypt

National Telecommunication Institute (NTI)

July 2022 – August 2022

- **Skills:** Python; TensorFlow; Jupyter Notebook; Linear Algebra.
- Implemented recognition algorithms, significantly enhancing the accuracy and efficiency of detection systems.

EDUCATION

Mansoura University

Egypt

BSE, Computer Engineering

Aug. 2019 – June 2024

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

PROJECTS

X (GitHub): Currently maintaining X; 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.

Built with: 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 and React on the client side.

Venom (GitHub): Distributed cloud-native key-value store that is idempotent, resilient and able to scale, Featuring the concurrency abilities of Golang and cloud-native software design systems.

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.