

Haidy Yasser Ali

Backend Software Engineer

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Summary

Fresh Backend Software Engineer skilled in Java, Spring Boot, and Node.js. Competitive programmer and problem solver, experienced in scalable APIs and real-time systems, eager to learn and create impactful solutions.

Education

BS in Computer Science, Suez Canal University – GPA: 4

Sept 2021 – Jul 2025

Experience

Java Full Stack Intern – *ATOS Egypt*

Aug 2025 – Present

- Gained hands-on experience in advanced Java, Spring Boot and Angular.
- Built a secure [document management app](#) using MySQL, MongoDB, and RESTful APIs for auth, workspace, and document ops.
- Implemented JWT authentication, metadata handling, and Base64 preview with role-based access control.
- Boosted performance and search efficiency using MongoDB indexing, versioning, and tagging.

Software Engineering Trainee – [ALX Software Engineering Program](#)

Nov 2023 – Feb 2025

Core: Databases, Backend, Algorithms, Data Structures, OOP, Bash, Networking.

- Built projects in backend, data structures, and algorithms, including a [UNIX shell](#) in C.
- Learned [DevOps](#) fundamentals and strengthened teamwork skills.

Skills

Programming: Java, JavaScript, TypeScript, MongoDB, SQL, Firebase, Redis, Python, C++, C, C#

Frameworks: Spring Boot, Angular, Node.js and Express, Flask, Bootstrap

Miscellaneous: SOLID, Design Patterns, Problem Solving, Git, GitHub, Algorithms, Unit Testing, Socket.IO.

Projects

IOT-Based Smart Retail System — Node.js, Express, TypeScript, MongoDB, Firebase, Socket.IO, Stripe API.

[GitHub](#)

- Built a high-performance backend for IoT retail automation to process real-time data from smart devices.
- Achieved **sub-2s API response times** and **98% inventory accuracy** with scalable RESTful APIs.
- Handled **188K+ requests/min** and real-time updates via **Socket.IO** (733+ events/sec).
- Integrated **secure Stripe payments** with automated workflows for contactless transactions.

Online Flower Store — HTML, CSS, Bootstrap, and jQuery

[GitHub](#), [Demo](#)

- Led a 3-member team to build a responsive e-commerce site for flower ecommerce frontend website.

Achievements

- Ranked **17th** out of 300 teams at **The ECPCQ Day 8 — ECPC Finalist**. *2025*
- Secured **The best graduation project** at the Faculty of Computers and Informatics — SMART. *2025*
- Secured **9th** out of 291 teams in **ACPC GIRLS — Golden Medal**. *2024*

Volunteering

IT instructor at Google Developer Student Clubs EELU

- Led online technical training sessions in C++, impacting over 250 students; Solved various coding challenges and debugged errors with the students, enhancing their problem-solving skills and confidence.