

Abdelrahman S.Ahmed

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Education

B.Sc. in Computer Engineering,

06/2025

Ain Shams University, Faculty of Engineering (CESS)

Major: Distributed Computing | Minor: Software Product Lines

Skills

Programming Languages:

Python, C/C++, Java, JavaScript, Lua, SQL, HTML5, CSS3

Frameworks & Tools:

Node.js, Bootstrap, Docker, Kubernetes, Terraform, Postman, VS Code, Git, Jira, Eclipse, FreeRTOS, IAR Embedded Workbench, Keil 5

Experience

Software Developer Intern, I'SUPPLY

07/2023 – 10/2023

onsite

- Tested and maintained software systems based on the Laravel framework using Postman and Selenium.
- Collaborated with development teams to identify and resolve bugs, enhancing system reliability.

Full Stack Training, Sprints

06/2022 – 08/2022

- Developed both front-end and back-end components of web platforms, including database integration.

Projects

EduAi, Microservices-Based E-Learning Platform

Developed an e-learning platform using a microservices architecture, delivering core services for payments, user management, webhooks, and frontend interfaces.

Distributed Image Processing System

- Built a scalable image processing system on AWS, leveraging Python, OpenCV, and MPI/OpenCL for parallel, fault-tolerant image operations, including filtering and edge detection.

wassalnii, Cross-Platform Mobile App

- Developed a real-time, offline-capable app with Flutter, Firebase, and SQLite, featuring a responsive UI and seamless data synchronization.

Cinema Desktop Application

- Designed and implemented a Java/JavaFX application connected to MySQL for comprehensive movie data management.

Mini-Fortran Compiler

- Developed a FORTRAN grammar and implemented a mini-compiler in Python supporting lexical analysis, parse trees, error detection, and recovery.

Modified Minix3 OS

- Enhanced and recompiled the kernel for Minix3 OS using C, with deployment and testing via WinSCP and Teraterm.