

Amr Mourad Ahmed Mohamed Awad

Software Engineer

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amrmouradawad@gmail.com | [linkedin.com/Amr-Awad](https://www.linkedin.com/Amr-Awad) | github.com/Amr-Awad | Completed Military Service

PROFESSIONAL SUMMARY

Motivated software engineer with a degree in Software Engineering from the Faculty of Computers and Artificial Intelligence, Cairo University. Proven ability to deliver software solutions leveraging expertise in Java, Python, and database management. Eager to contribute to innovative projects while continuously enhancing skills and delivering impactful results.

EDUCATION

Cloud DevOps Accelerator 4 months Program, NTI Digital Egypt Youth Initiative (November 2024 – March 2025)

- Completed an intensive training program in Cloud DevOps, Linux, and AWS with hands-on experience in containerization, automation, and infrastructure management.
- Gained proficiency in Red Hat Linux, OpenShift, AWS Cloud services, Terraform, Jenkins, and Ansible.

Faculty of Computers and Artificial Intelligence, Cairo University (2019 –2023)

- Grade: Very Good.
- Major: Software Engineering.
- Graduation Project: School Choice (A+ grade).
- Relevant Coursework: Object Oriented Programming (OOP), Data Structures, Algorithms, SOLID Principles, Design Patterns, Software Architecture, Software Development Life Cycle (SDLC), Micro Services Architecture, REST APIs.

High School Diploma IGCSE, Misr language Schools (2016 – 2019)

WORK/INTERNSHIP EXPERIENCE

Cloud DevOps Trainee, iVolve Technologies (February 2025 – March 2025)

- Completing tasks in Linux, OpenShift, and AWS using tools like Terraform, Jenkins, and Ansible.

Embedded SW Engineer Internship, Si-Vision, Cairo, Egypt (August 2022 - September 2022)

- Participated in intensive training on OOP concepts tailored for embedded systems.

Oracle DB Administrator Internship, National Bank of Egypt (NBE) – Cairo, Egypt (July 2022 - August 2022)

- Monitored and optimized Oracle DB performance, including web logic server and core banking systems.

IT Application Support Internship, Orange Egypt – Giza, Egypt (September 2021 - October 2021)

- Provided technical support, resolved software issues, and collaborated with cross-functional teams.

SKILLS

Technical/Hard Skills

- Languages:** Python, Java, C++, PHP, JavaScript, SQL.
- Java:** JavaSE, JavaEE, JDBC, Spring boot, Spring Data JPA, Servlets & JSP, Spring Security, Multi-Threading, Spring MVC.
- Web Technologies:** Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), Bootstrap.
- Databases:** MySQL, PostgreSQL.
- Testing:** Junit, Selenium, SonarQube, Jira.
- DevOps:** Docker, Kubernetes, OpenShift, Ansible, Terraform, Jenkins.
- Developer Tools:** VS Code, Eclipse, PyCharm, IntelliJ, Android Studio.
- Other Technologies/Frameworks:** Nest.js, Angular (Basic), Linux, GitHub, Cloud AWS.

Soft Skills: Problem Solving skills, Communication skills, Collaboration and Teamwork, Adaptability, Attention to Detail, Self-Learner.

CERTIFICATIONS

- ISTQB Certified Tester Foundation Level**, ISTQB (September 2022).
- AWS Certified Cloud Practitioner**, AWS (March 2025).

COURSES

- Red Hat System Administration I** (February 2022 – June 2022).
- Red Hat Application Development Java EE** (September 2022 – January 2023).
- Red Hat Containers and OpenShift** (February 2023 – June 2023).

PROJECTS

School Choice, Web Application

- Developed an intuitive platform enabling parents and students to make informed school selections.
- **Technologies:** JavaScript, React.js, Nest.js, Python (for web scraping).
- **GitHub:** Front-end - github.com/School-Choice-Front,
Back-end - github.com/School-Choice-Back.

iVolve Graduation Project – DevOps Automation Pipeline

- Provisioned AWS infrastructure using **Terraform** and automated server setup (Jenkins, SonarQube, Docker, Java, Git) with **Ansible**.
- Built CI/CD pipelines in **Jenkins** and used **ArgoCD** for GitOps-based Kubernetes deployments.
- Containerized apps with **Docker** and deployed them to **Kubernetes** clusters on AWS EC2 using NGINX as an Ingress Controller.
- **Technologies:** Terraform, Ansible, Jenkins, ArgoCD, Docker, Kubernetes, NGINX, AWS EC2, Git, Java, Spring Boot, SonarQube.
- **GitHub:** [Github.com/IvolveTraining](https://github.com/IvolveTraining).

Trip Scheduling System, Web Application

- Developed a back end with Java and Spring Boot, implementing RESTful APIs and leveraging Spring Data JPA for efficient database operations.
- Built a responsive front-end with Angular, enabling seamless user interactions and integration with back-end services.
- **Technologies:** Java, Spring Boot, Spring Data JPA, Maven, Angular, Docker.
- **GitHub:** github.com/Trip-Scheduling

Task Management & Reporting System, Web Application

- Developed a secure back-end with Java and Spring Boot, implementing JWT-based authentication using Spring Security and RESTful APIs.
- Designed subscription-based email reporting using Spring Events, Scheduling, and JavaMail integration.
- Added soft deletion with restore logic, task filtering, status automation, and Docker-based deployment.
- **Technologies:** Java, Spring Boot, Spring Security, Spring Data JPA, MySQL, Docker, Swagger, SonarQube.
- **GitHub:** [github.com/Task Management and Report Subscription System](https://github.com/Task-Management-and-Report-Subscription-System)

LANGUAGES

- Arabic – Native Language.
- English – Upper Intermediate (B2).