

Ahmed Abd Elmohsen

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Profile

- Fullstack Engineer and DevOps practitioner with 3+ years building production—ready web and mobile platforms across React/Next.js, Node.js/Express, and SQL/NoSQL on AWS, with a track record of scalable architectures and secure APIs.
- Delivers clean, modular code and automated releases via Docker and GitHub Actions CI/CD on AWS (EC2, S3, RDS), improving deployment speed and reliability while optimizing performance and cost.
- Shipped 15+ projects from ecommerce to healthcare, including AI—assisted features, with a focus on performance, security, and UX—open to fulltime or remote opportunities.

Professional Experience

FullStack Engineer (Contract), Stealth Automotive Startup, Cairo, Egypt

May 2025 — August 2025

- Engineered and launched a production—grade automotive operations platform on AWS using Next.js (frontend) and Node.js/Express (backend) with MySQL on Amazon RDS, serving live customers with high availability.
- Built secure REST APIs with JWT, input validation, and rate limiting.
- optimized MySQL queries and indexing, cutting average API latency by 35–45%.
- Implemented end-to-end CI/CD with GitHub Actions to build, test, and deploy to AWS (EC2/RDS), reducing release time to 10–15 minutes with zerodowntime strategies.

Senior Capstone: Alassisted Prenatal Screening Platform — Team Lead.

September 2024 — June 2025

- Led a 6member team to deliver a web and mobile platform for prenatal screening; earned grade A+ for meeting clinical and technical requirements.
- Designed and implemented backend services with Node.js and MongoDB, including authentication/authorization with JWT, rolebased access, and reusable middleware.
- Built secure login flows and input validation, added rate limiting and audit logs following common Node.js security patterns.
- Developed an AI imageprocessing model to analyze 10week ultrasound scans and predict 16 outcomes (15 conditions vs. normal) as a clinical decisionsupport feature.
- Orchestrated CI/CD and cloud deployment for web and mobile services; implemented monitoring and error tracking to ensure reliable releases.

Education

October 2021 — June 2025

- Solid CS foundation in OOP, Data Structures & Algorithms, and Design Patterns; applied to build maintainable backend services and RESTful APIs with SQL/NoSQL database design.
- Practical exposure to Linux, Networking, and Cloud fundamentals; version control with Git and Shell Scripts for Automation .

Technical Skills

DevOps & Cloud: AWS: EC2, S3, IAM, Load Balancer, CI/CD: GitHub Actions, Jenkins, blue/green and rolling deployments, Docker, Nginx, Linux, Terraform/Ansible (IaC/CM).

Backend: Node.js, Express, REST APIs, Authentication & Security: JWT, OAuth2, input validation, rate limiting, OWASP basics., Performance: caching, profiling, query optimization

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), UI/UX basics, responsive design, accessibility

Internships

DevOps Trainee (DEPI), (DEPI) – Ministry of Communications & Information Technology., Knowledge City, New Administrative Capital – Egypt University of Informatics (EUI).

March 2024 — September 2024

- Learned and applied Linux system and networking fundamentals; managed source control workflows with Git and GitHub.
- Built CI/CD pipelines with Jenkins and GitHub Actions to automate build, test, and deployment stages.
- Containerized services with Docker and organized development/production environments using Docker Compose.
- Managed configuration with Ansible and implemented Infrastructure as Code provisioning using Terraform.

Courses

Cisco Certified Network Associate (CCNA), The Egypton E-Learning University (EELU)

July 2022 — September 2022

Microsoft Security Training Certificate, The Egypt University of Informatics (EUI)

July 2023 — September 2023

DevOps Engineer Professional Certificate , DEPI

March 2024 — September 2024

Additional Information

Languages: Arabic, English