

# Ahmed Abd Elmohsen

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## Software Engineer

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### Contact Information

**Email:** ashams3719262@gmail.com    **Location:** Cairo, Egypt

**GitHub:** [github.com/ahmed-838](https://github.com/ahmed-838)    **LinkedIn:** [linkedin.com/in/ahmed-838-shams/](https://linkedin.com/in/ahmed-838-shams/)

**Portfolio:** [ahmed-abd-elmohsen.vercel.app](https://ahmed-abd-elmohsen.vercel.app)

### Professional Summary

Innovative Software Engineer with over 3 years of experience in web development, specializing in building robust and scalable applications. Strong expertise in AWS deployment strategies and comprehensive backend service architecture. Proven track record in creating elegant, responsive, and efficient web solutions using cutting-edge technologies. Passionate about designing advanced API implementations, solving complex problems with clean, efficient code, and delivering exceptional user experiences.

### Technical Skills

- **Cloud & DevOps:**

- AWS (EC2, S3, Lambda, CloudFront, RDS) - Docker containerization - CI/CD pipeline implementation - Infrastructure as Code

- **Backend Development:**

- Node.js, Express - NestJS - Python, Django - RESTful API design and implementation - GraphQL - Microservices architecture

- **Database Management:**

- MongoDB - PostgreSQL - MySQL - Redis - Database optimization and scaling

- **Frontend Development:**

- React, Next.js, TypeScript - HTML5, CSS3, TailwindCSS - Modern UI/UX Design - Responsive Web Development

## Professional Experience

### ##### Software Engineer Cairo, Egypt

- Architected and deployed scalable applications on AWS using EC2, S3, and Lambda
- Designed and implemented comprehensive backend services with Node.js and Express
- Created advanced API solutions with authentication, rate limiting, and data validation
- Applied SOLID principles to develop well-structured applications for maintainability and scalability
- Implemented CI/CD pipelines for automated testing and deployment
- Developed responsive web applications using React and Next.js
- Optimized database performance and implemented caching strategies
- Collaborated with cross-functional teams to deliver high-quality solutions

## Projects

### ##### Comprehensive E-commerce Backend

- Designed and implemented a scalable microservices architecture
- Created RESTful APIs with advanced features including authentication, authorization, and rate limiting
- Deployed on AWS using container orchestration for scalability
- Implemented database sharding and caching strategies for performance optimization
- Set up monitoring and logging systems for production reliability

### ##### Portfolio Website

- Built a modern, responsive portfolio website using Next.js and Tailwind CSS
- Implemented smooth animations and transitions using Framer Motion
- Deployed on AWS using CloudFront for global content delivery
- Optimized for performance and SEO best practices
- Integrated contact form and social media links

## Education

### ##### Bachelor's Degree in Computer Science EELU | Cairo, Egypt

- Relevant coursework: Web Development, Software Engineering, Database Systems
- Summer training focused on Microsoft Security fundamentals and best practices

## Additional Skills

- Strong problem-solving and analytical thinking

- API design and documentation
- Database optimization and performance tuning
- Cloud infrastructure management
- Excellent communication and collaboration skills
- Project management and team leadership
- Continuous learning and adaptation to new technologies
- Agile development methodologies

## **Languages**

- English: Professional Working Proficiency
- Arabic: Native Proficiency

## **Certifications**

- Cisco Certified Network Associate (CCNA)
- DevOps Engineer Professional Certificate - DEPI
- Microsoft Security Training

## **Professional Development**

- Active contributor to open-source projects
- Regular participant in tech meetups and conferences
- Continuous learning through online courses and workshops