

DINA ELSERGANI

SOFTWARE ENGINEER

CONTACT INFO



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PROFILE

I am Dina, an AWS Certified DevOps Engineer – Professional and full-stack developer with 4+ years of experience in web, mobile, and cloud-infrastructure automation. I specialize in creating integrated solutions that leverage machine learning and natural language processing—driving a 30% improvement in user engagement—while architecting and automating CI/CD pipelines to boost operational efficiency and innovation across diverse industries.

EDUCATION

Mansoura University | Bachelor of Computer Science

September 2020 - July 2024

- Engaged in a focused program on software development and AI, with practical projects and graduated in 2024.
- GPA: 3.4 out of 4

CERTIFICATIONS & TRAINING

- AWS Certified DevOps Engineer – Professional, Amazon Web Services | Issued May 2025 | [Verify Credential](#).
- ITI Egypt training in Web Development, with hands-on experience in front-end and back-end technologies.

WORK EXPERIENCE

Full-Stack Developer | Baramouda (contract)

March 2024 – May 2024

- Designed and developed mobile apps and dashboards focused on waste recycling operations, promoting sustainability and efficient waste tracking.
- Integrated features for real-time data visualization, user reporting, and collection scheduling, enhancing environmental impact and operational oversight.

WORK EXPERIENCE

DevOps Engineer | IMZ Web *(part-time)*

November 2023 – April 2024

- Automated infrastructure and CI/CD using Infrastructure-as-Code and containers to enhance deployment speed and reliability.
- Ensured system stability through container orchestration, consistent environments, and proactive monitoring and alerting.

Full-Stack Developer | Afaq educational *(contract)*

October 2023 – Present

- Developed multiple educational mobile apps and websites tailored to the company's learning objectives.
- Built and maintained interactive dashboards for tracking user engagement, performance, and content analytics.

Freelance Full-Stack Developer | Mostaqi

June 2021 – Present

- Provided on-demand development services alongside full-time roles, delivering additional web and mobile solutions for startups and SMEs.
- Maintained and iterated on client applications based on feedback, ensuring continuity and high satisfaction without impacting corporate responsibilities.

SOFT SKILLS

- Communication
- Teamwork
- Problem-Solving
- Leadership
- Time Management

TECH SKILLS

- Full-Stack Dev
- Mobile App Dev
- DevOps Engineering
- Cloud Computing
- ML & NLP

PROJECTS

Web Development

- **Technologies Used:** HTML, CSS, JS, React, Node.js, PHP (Laravel), Django, .net
- **Projects:**
 - **E-Commerce Platform:** Built a full-stack e-commerce site with real-time updates and secure payments, boosting sales and user engagement.
 - **Chat Website:** Developed a real-time chat platform with React and Django, featuring instant messaging, group chats, and status indicators.
 - **Restaurant Website:** Designed a restaurant site with online reservations, digital menu, and Google Maps integration for enhanced accessibility.

PROJECTS

Cloud Computing and DevOps

- **Technologies Used:** AWS, Docker, Kubernetes, Jenkins, Terraform, GitLab CI/CD
- **Projects:**
 - **Cloud Infrastructure Setup:** Designed and deployed secure AWS cloud infrastructure, increasing uptime by 99.9% and reducing costs by 20% through automated backups and optimized resource use.
 - **CI/CD Pipeline Implementation:** Developed CI/CD pipelines with Jenkins and Docker to automate testing and deployment.
 - **Monitoring and Logging:** Set up AWS CloudWatch and ELK Stack for real-time monitoring and logging, enhancing system performance insights and issue resolution.
 - **Containerization Strategy:** Implemented Docker for consistent development and production environments, reducing deployment errors and improving team collaboration.
 - **Infrastructure as Code (IaC):** Used AWS CloudFormation and Terraform to manage infrastructure as code, ensuring consistent and scalable deployments.

Mobile App Development

- **Technologies Used:** Flutter, Dart, Firebase , Android Dev , IOS Dev
- **Projects:**
 - **E-Commerce App:** Built a Flutter-based shopping app with secure payments, real-time tracking, and Firebase backend.
 - **Career Shift App:** Created an AI-powered career guidance app with resume tools, goal tracking, and job insights.
 - **Music App:** Developed a music streaming app with personalized playlists, offline playback, and Firebase integration.
 - **eBooks App:** Designed an eBook reader app with purchase, bookmarks, TTS, and Firebase-powered data handling.

Natural Language Processing

- **Technologies Used:** Python, NLTK, spaCy
- **Projects:**
 - **Built intelligent NLP tools:** including chatbots, text summarization, and sentiment analysis systems to enhance user interaction, executive productivity, and marketing strategies.
 - **Implemented advanced text processing models:** like Named Entity Recognition (NER) to extract valuable insights and support data-driven decisions.
 - **Developed a multilingual translation model:** to improve communication within diverse teams and global user bases.