

Eslam Aly

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Professional Summary

Motivated and results-driven Software Engineering student with a strong academic foundation in artificial intelligence, DevOps, and full-stack development. Experienced in building and deploying machine learning models. Actively developing skills in containerization (Docker, Kubernetes), CI/CD, and application security through industry-recognized certifications. Proficient in Python, Flutter, Git, and REST APIs. In addition, skilled in agile methodologies with experience supporting Product Owners, facilitating Scrum ceremonies, and maintaining Scrum artifacts using JIRA. Adept at identifying and removing impediments, monitoring KPIs, and fostering collaboration across cross-functional teams. Seeking a working student position to apply technical expertise, contribute to agile development teams, and support innovative enterprise solutions.

Education

University of Europe for Applied Sciences, Germany

B.Sc. Software Engineering (English)

GPA: 3.45 | Sep 2023 – Present

Kyiv Polytechnic Institute, Ukraine

B.Sc. Software Engineering – Completed 3 semesters (English)

GPA: 3.6 | Sep 2021 – Feb 2023

Work Experience

IT Help Desk Specialist

Adam Tools, Kyiv | Feb 2021 – Feb 2022

- Provided first-line technical support and troubleshooting for hardware and software issues.

Requirements Engineer

DM Solutions, Cairo | Feb 2020 – Dec 2020

- Collaborated with clients to extract and structure functional and non-functional requirements.
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Projects

StoX – Stock & Crypto Market App (2025)

- Flutter-based mobile/web app for real-time stocks and crypto.

Fake Face Detection using Deep Learning (2025)

- Trained a binary classifier on real vs. AI-generated images using the Xception model and transfer learning.

Rubik's Cube Solver (2024)

- Developed solvers using DFS, BFS, and A*, supporting cube sizes from 2x2x2 to 6x6x6.

N-Queens Problem Solver (2024)

- Implemented and evaluated DFS, Hill Climbing, Simulated Annealing, and Genetic Algorithm.

Certifications

- **DevOps & Cloud (IBM):** Introduction to DevOps, Agile Development & Scrum, Git & GitHub, Containers: Docker, Kubernetes, OpenShift, CI/CD (in progress), TDD & BDD (enrolled), Application Development with Microservices & Serverless
- **Security (IBM):** Application Security for Developers and DevOps
- **Data & Analytics (IBM):** Python for Data Science, Introduction to Data Analytics, Data Visualization & Dashboards, Excel Basics for Data Analysis
- **Linux (IBM):** Hands-on Linux Commands & Shell Scripting
- **Cloud (AWS):** AWS Cloud Web Application Builder

Technical Skills

DevOps & Cloud: Docker, Kubernetes, OpenShift, GitHub Actions, CI/CD, AWS, Firebase

Security & Code Quality: Snyk, OWASP ZAP, SonarQube, TDD, BDD

Programming: Python, Dart, SQL, JavaScript, Bash

Frameworks & Libraries: TensorFlow, Keras, Flutter, REST APIs, Jupyter

Frontend & Markup: HTML5, CSS3, Tailwind CSS, Syncfusion

Collaboration & Tools: Git, Jira, Confluence, Figma, Overleaf, VS Code, Microsoft 365, Linux Terminal

Soft Skills

Team Collaboration, Communication, Problem Solving, Self-Learning, Agile Mindset, Adaptability, Detail-Oriented

Languages: Arabic: Native | English: Fluent (C1) | German: Intermediate (B1)