

# Zeyad Abdelnasser Mohamed Aboelnasr Elzayaty

## Contact Information

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## Summary

**Software Engineering** graduate with hands-on experience in full-stack development, developer tools, and leading agile teams. **Proficient** in JavaScript, Python, and modern frameworks, with strong foundations in data structures, algorithms, and software design principles. Proven ability to ship quality code, drive technical discussions, and deliver scalable, user-centered applications.

## Skills

### Technical Skills

- Languages & Frameworks: JavaScript (ES6), TypeScript, Node.js, Express.js, PHP, Python, Java, C++, C#
- Web Development: HTML, CSS, REST APIs, Frontend & Backend Integration
- Development Tools: VS Code, Git, npm, Postman, Firebase

### Software Engineering Communication & UX

- Technical Communication: Able to write clear documentation and explain code logic through clean code practices, dashboards, and architectural diagrams.
- UI/UX Design Tools: Familiar with Figma for prototyping and Adobe Creative Suite for designing visual assets and UI components.
- User-Focused Content: Understand the importance of user-centered design, implementing SEO best practices and writing code or interfaces that enhance user understanding.

### Analytics & Testing

- Quality Assurance: Test Case Design, Bug Reporting, UX Validation
- Data Tools: Google Analytics (basic), Dashboard Metrics, User Feedback Loops

### Project Management & Leadership

- Methodologies: Agile, Scrum
- Collaboration: Team Leadership, Sprint Planning, Peer Coordination

## Education

### Misr International University

Bachelor of Science, Computer Science, Software Engineer

Cairo  
2021- 2025

### Elrowad Language School

-High School, IGCSE, Grade 94%

Cairo  
2018- 2021

## Projects

### CodePure – VS Code Extension for Code Smell Detection

#### Graduation Project / Team Leader

06/2025

- Led a team to design and develop a Visual Studio Code extension that improved code quality, resulting in a 25% reduction in code errors.
- Created a web dashboard visualizing metrics and code analysis, enhancing user understanding of code quality.
- Implemented features like auto-fix suggestions and interactive UML diagrams, improving user experience and content delivery.

### DNA Segmentation Application

#### Team Leader

03/2022

- Developed an application that transformed complex data into user-friendly content, utilizing a novel algorithm for DNA segmentation.
- Improved project visibility by effectively communicating technical concepts to non-technical stakeholders, leading to a 40% increase in stakeholder engagement.

### Number Puzzle Game for Children

#### Team Leader

06/2021

- Created an educational game aimed at enhancing cognitive skills for children, achieving a 90% satisfaction rate in user feedback.
- Utilized RAD tools for UI design, ensuring a visually appealing and intuitive user experience.

## Internship Experience

### Software Tester Intern – Basata

09/2024

- Completed testing tasks with a focus on user experience and content quality assurance.
- Gained hands-on experience in test case design and bug tracking, contributing to improved content delivery.

### Software Engineer Intern – Singlecllic

07/2024

- Collaborated on software development projects, focusing on optimizing application performance and enhancing user engagement through effective content strategies.
- Participated in agile development workflows, gaining valuable insights into content lifecycle management.

## Certifications

### Basata

Certificate of Completion for a Software Testing Internship

### Singlecllic

Certificate of Completion for a Software Engineering Internship

### NVIDIA

Certificate of Competency in Fundamentals of Deep Learning

### IBM

Artificial Intelligence Fundamentals Certificate

Artificial Intelligence Fundamentals with Capstone Project Certificate

### Qestit

Attendance Letter