

# Yasser Milato

Software Engineer

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## ABOUT ME

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Software engineer with hands-on experience in developing applications and systems using Python, C#, and .NET. I focus on building scalable software solutions, specializing in Backend development and designing efficient APIs. I have a strong interest in optimizing system performance and writing clean, maintainable code, along with a passion for leveraging modern technologies to solve real-world problems.

## CORE SKILLS

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- Backend Development
- API Design & Development
- Database Management
- Desktop Application Development

## TECHNICAL SKILLS

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- **Languages:** Python, C#, C++
- **Frameworks:** FastAPI, Django, .NET Framework
- **Frontend:** React, Angular (basic proficiency)
- **Databases:** SQL, PostgreSQL
- **Other:** CI/CD pipelines, RESTful APIs, JWT Authentication, Swagger
- **Tools:** Git, Docker

## WORK EXPERIENCE

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### Backend Engineer | Asinnah 04/2025 – Present

- Built and maintained Backend APIs for an e-learning platform serving 450+ students
- Developed a VPN service integrated with a Telegram bot for automated user access management
- Designed and integrated RESTful APIs across multiple platform modules, improving system cohesion
- Optimized Backend services, ensuring stable and consistent performance across all endpoints

### Software Developer | Freelancer 01/2022 – Present

- Built 10+ Telegram bots integrated with databases, APIs, payment gateways, and web scraping — serving e-commerce clients.
- Developed cross-platform Desktop applications to automate workflows and boost client productivity
- Designed and developed API endpoints using FastAPI for system integration across retail and legal service platforms
- Implemented CI/CD pipelines for automated testing and deployment, reducing release friction

## PROJECTS

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### USCIS Automatic Form Filling System | SALMAN Immigration • 01/2025 – Present

- Developed an automated system for completing US immigration forms (USCIS) using Python and PySide6 (Qt6), actively used by real clients
- Supports 3 form types with a Modular architecture enabling easy addition of new forms

### **MKV Muxing Batch GUI** | *Personal Project* • 2021 – 2024

- Built a cross-platform GUI application using Python and PySide6 for batch video processing and subtitle injection
- Implemented advanced features including track reordering, delay adjustment, and saved presets
- Released as Open Source to contribute to the multimedia processing community
- Reached 60,000+ downloads, demonstrating reliability and wide adoption in video processing
- **GitHub:** [github.com/yaser01/mkv-muxing-batch-gui](https://github.com/yaser01/mkv-muxing-batch-gui)

### **Lung Cancer Detection Website** | *University Graduation Project*

- Developed the Backend using Django for a medical diagnostic platform
- Applied a Machine Learning model using TensorFlow with 92% accuracy on 4,000 test samples
- Used Transfer Learning based on CNN ResNet 50 to improve model performance
- Trained on a dataset of 100,000 tissue images
- Collaborated with the React Frontend team on system integration

## **EDUCATION**

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### **Syrian Virtual University** 2024 – Present

Master's in Web Science

### **University of Homs** 2018 – 2023

Bachelor's in Informatics Engineering – Software Engineering

## **ACHIEVEMENTS**

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- Qualified for ACPC 2019 (Africa & Arab Collegiate Programming Championship) – Sharm El-Sheikh, Egypt
- Competitive Programming Trainer: taught algorithms and data structures in C++ at the University of Homs, training 30+ participants

## **LANGUAGES**

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- Arabic – Native
- English – Advanced