

# Mostafa Shirvani

Junior DevOps Engineer & Python Developer  
MostafaShirvani1999@gmail.com | +39 379 208 8791 | [github.com/Soheil7799](https://github.com/Soheil7799)

## ABOUT ME

DevOps Engineer and Backend Developer with skills in Python, Linux, Docker, and cloud infrastructure. Experienced with CI/CD pipelines, version control, and database management. Familiar with AWS, Digital Ocean, and Azure. Currently learning Terraform and Kubernetes. Seeking junior-level opportunities in Europe to apply technical skills while growing professionally.

## EXPERIENCE

### BACK-END DEVELOPMENT AND DATABASES

- Built back-end for media conversion tool using FastAPI, Python, NumPy, SciPy, and FFmpeg that processed 5+ different file formats.
- Created RESTful APIs with Node.js and Express.js with 4 key endpoints for data management.
- Designed MongoDB databases using Mongoose with 3 main collections.
- Studied relational database design (SQL, PostgreSQL) and implemented normalization across 2 projects.

### LINUX AND SERVER-SIDE DEPLOYMENTS (DEVOPS)

- Administered Linux systems daily, managing configurations across multiple distributions.
- Optimized Linux environments for development and deployment.
- Containerized applications using Docker for consistent deployment.
- Implemented CI/CD workflows with Jenkins and Github Actions, reducing deployment time by 90%.

## PROJECTS

### MEDIA CONVERSION AND STORING SERVICE

#### ACADEMIC PROJECT

- Developed a FastAPI-based REST API backend service for multimedia conversion and storage, supporting 5+ file formats.
- Implemented asynchronous processing using Python, enabling concurrent handling of multiple media operations and improving user experience.
- Utilized FFmpeg for professional-grade video and audio transformations with format conversion across 6 popular formats.
- Built Docker containerization for the entire application, ensuring consistent deployment across 3 different environments.
- Implemented Github Actions CI/CD pipeline for automated building and deployment on AWS infrastructure, removing manual deployment steps
- **GitHub:** [github.com/Soheil7799/mecas-service](https://github.com/Soheil7799/mecas-service)

## EDUCATION

### POLITECNICO DI TORINO

B.Sc. COMPUTER ENGINEERING  
Oct 2022 -- Present | Torino, Italy

### UNIVERSITY OF TEHRAN

B.Sc. MINING ENGINEERING  
Oct 2017 -- May 2021 | Tehran, Iran

## SKILLS

### PROGRAMMING LANGUAGES

Python • Java • C

### SCRIPTING LANGUAGES

Python • Shell • Bash

### CONTAINERIZATION

Docker

### DATABASES

MongoDB • PostgreSQL • MariaDB  
Redis • Memcached

### CI/CD & AUTOMATION

Jenkins • GitHub Actions • GitLab CICD

### FRAMEWORKS

FastAPI • ExpressJS

### LIBRARIES

NumPy • SciPy

### OTHER

Git • REST APIs •  
Microservices • NodeJS • DevOps Tools  
• Troubleshooting Linux Systems •  
Automation Scripting • Cross-Platform  
Development • Agile/Scrum Workflows  
• Version Control Best Practices

### INTERESTS/WHATS TO COME

GoLang • AWS • Azure •  
Kafka • Kubernetes • Terraform  
Ansible •

## LANGUAGES

Persian: Native (5/5)  
English: Fluent (C1) (4/5)  
Italian: Basic (A1) (1/5)