ABBAS REZAEI FASHALAMI

Python Backend Developer | AI Engineer | Software Engineer

abbasrezaeifashalami@gmail.com | github.com/abbasrezaeif | linkedin.com/in/abbasrezaeif

PROFESSIONAL SUMMARY

Python Backend Developer and Software Engineer with an M.Sc. in Software Engineering and hands-on experience building backend applications, automation tools, and AI-powered document-processing systems. Works with Python, Django, FastAPI, REST APIs, PostgreSQL, SQLite, OCR, and local LLM workflows using Ollama and Qwen2.5. Brings structured problem solving, Git-based development, technical documentation, project coordination, and client communication. Seeking entry-level Backend or AI Engineering opportunities where I can contribute to production-grade Python systems while continuing to grow in modern AI technologies.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, HTML5, CSS3, C++

Backend & APIs: Django, FastAPI, REST APIs, Telegram Bot API, automation, modular backend design

Databases, AI & Data: PostgreSQL, SQLite, JSON, Ollama, Qwen2.5, Tesseract OCR, pdfplumber, pdf2image, PDF processing

Tools & Practices: Git, GitHub, PyCharm, VS Code, debugging, OOP, algorithms, clean code, technical documentation

SELECTED SOFTWARE PROJECTS

DocPilot AI - Telegram AI Document Assistant

Python | Telegram Bot API | Ollama | Qwen2.5 | SQLite | OCR

- Built a local-first Telegram bot that processes PDF documents, detects when OCR is required, extracts and cleans text, and generates summaries with Ollama and Qwen2.5.
- Added SQLite processing history and modular components using Tesseract OCR, pdfplumber, and pdf2image for offline, traceable document workflows. Available on GitHub.

AI Document Summarizer (Local AI & OCR)

Python | Ollama | Qwen2.5 | Tesseract OCR | PDF Processing

- Built a local AI PDF summarizer that extracts text, applies English and Persian OCR fallback, cleans noisy OCR output, and produces structured summaries.
- Designed an offline modular pipeline with error handling, professional documentation, and a documented architecture for maintainable development.

WhatsApp Export HTML Archive Tool - In Development

Python | HTML | CSS | JavaScript | Offline Processing

- Developing an offline tool that parses official WhatsApp chat exports and generates a browsable HTML archive with RTL support and inline handling of images, audio, video, and documents.
- Designing support for multiline messages, system-message styling, ZIP/folder input, media linking, and performance-conscious rendering for large archives.
- Designed to process very large WhatsApp exports efficiently while preserving responsive navigation and reliable media linking.

ACTIVE PROJECTS (IN DEVELOPMENT)

DogCoach AI (In Development)

Python | AI | Computer Vision | Mobile Application | Backend APIs

- Designing the backend architecture and modular workflows for an AI-assisted dog training platform that can organize personalized plans and track behavioral progress.
- Planning a scalable product foundation with future support for computer vision, progress analytics, backend APIs, and AI-powered recommendations; the project remains under active development.

AICP - AI Core Platform (In Development)

Python | AI | Backend Architecture | Modular Platform

- Designing a reusable AI platform with modular backend components for document processing, workflow orchestration, AI integration, and extensible service architecture.
- Actively implementing the core architecture to support reusable AI components, extensible workflows, and future commercial scalability without presenting the platform as production-ready.

PROFESSIONAL EXPERIENCE

Software Engineer | Python Backend Developer

Independent Software Developer | Remote | Jun 2026 - Present

- Build Python backend and automation projects spanning REST APIs, SQL databases, document processing, OCR, local LLM integration, and Telegram-based workflows.
- Structure maintainable components, handle errors and processing state, document implementation decisions, and manage source code with Git and GitHub.

Renovation Project Coordinator

Guilan Golden Key | Aug 2023 - Feb 2026

- Coordinated residential renovation work from planning through execution, aligning client requirements, contractors, suppliers, schedules, and on-site activities.
- Tracked progress, resolved operational issues, communicated updates clearly, and helped keep projects moving toward agreed scope and deadlines.

Residential Real Estate Consultant

Gilayi Real Estate | Rasht, Iran | Feb 2020 - Aug 2023

- Assisted clients in buying, selling, and evaluating residential properties.
- Coordinated property viewings, negotiations, and documentation.
- Built strong communication and client relationship skills.
- Worked closely with legal documentation and transaction coordination.

Strength & Conditioning Coach | TRX Instructor

Physique Pro, Rasht | Full-time | Apr 2014 - Jan 2020

- Designed individualized strength, conditioning, and TRX programs, monitored progress, adapted plans to different goals and abilities, and maintained long-term client relationships through clear communication and consistent follow-through.

Robotics & 2D Soccer Simulation Instructor

Pajouheshsara Khwarizmi, District 14, Tehran | Part-time | Feb 2013 - May 2014

- Designed and delivered robotics and introductory programming lessons covering C++, object-oriented programming, algorithms, and 2D Soccer Simulation fundamentals.
- Guided students through hands-on programming projects and strengthened analytical thinking, structured problem solving, and technical confidence.

EDUCATION

Master of Science (M.Sc.) in Software Engineering

Deylaman Institute of Higher Education | Feb 2015 - Sep 2017

Bachelor of Science (B.Sc.) in Software Engineering

Islamic Azad University | Sep 2012 - Feb 2015

Associate Degree, Information and Communication Technology

University of Science and Culture | Sep 2009 - Jan 2012

HONORS, AWARDS & INNOVATION

- 3rd Place - National Kharazmi Robotics Competition, Ministry of Education (Iran), Jun 2009.
- 5th Place - Iranian Students Programming Contest (ISPC), hosted by Sharif University of Technology, May 2009.
- 5th Place - National Kharazmi Robotics Competition, Ministry of Education (Iran), Jun 2008.
- Iranian National Patent: ICMS - Intelligent Car Management System, Patent No. 38 712 383, issued Mar 1, 2009.

LANGUAGES

Persian - Native
English - Professional Working Proficiency