

Erfan Mohammadi

Python Backend Developer (Django) | Database Specialist (MS SQL Server)

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Born 29 August 1998 · Nationality: Iranian · Married



PROFILE

Backend developer with 4+ years of professional experience building in-house enterprise software for an industrial manufacturer. Focus on Python/Django, REST APIs and Microsoft SQL Server – from requirements analysis and data modelling through performance tuning to deployment with Docker. Responsible for more than 15 ERP modules (inventory, sales, accounting, quality management, HR). Since 2026 also founder of my own software studio for custom business applications. Seeking a position as a Python/Django Backend Developer in a development team in Germany.

PROFESSIONAL EXPERIENCE

07/2022 – present

Software Developer & Database Specialist

Alvan Paint & Resin (Rang va Rezin Alvan), Tehran – manufacturer of paints and resins

- Designed, developed and maintained **more than 15 internal business modules**: inventory, sales, orders, purchasing, accounting, cashier, maintenance, calibration, HR, quality assurance/control (QA/QC), asset management & depreciation, and product and contact master data
- Analysed requirements with business departments and translated business logic into data models and software
- Designed and optimised **Microsoft SQL Server** databases: tables, relationships, stored procedures, views, functions and complex T-SQL queries
- **Performance tuning**: execution plan analysis, index optimisation and rewriting slow queries to reduce processing times
- Developed backend services and **REST APIs** and integrated software layers; improved web-based user interfaces
- Set up and configured development and runtime environments with **Docker**; version control with Git
- Database backup, restore, monitoring and maintenance; technical documentation; code reviews and troubleshooting
- Built data-driven solutions and intelligent features to improve business processes

Technologies: Python, Django, VB.NET, JavaScript, React, MS SQL Server, T-SQL, Docker, Git, Stimulsoft Reports, Crystal Reports

2026 – present

Founder & Software Developer (part-time)

Houshiva – software studio for custom business applications, Tehran (houshiva.ir)

- Custom software for small and medium-sized businesses: websites, online shops, POS systems, CRM, inventory and accounting systems, dashboards and API integrations – from requirements analysis to deployment and support
- References: relaunch of a corporate website (migration from WordPress to **React + Django**); ordering and table-reservation platform for a café with SMS one-time-password login; digital menu with admin panel and online ordering

07/2020 – 06/2022

Professional Training & Own Software Projects

Tehran

- Focused specialisation in databases and Python: 350+ hours of training in SQL Server, performance tuning, business intelligence, Power BI and Python (see Professional Training)
- Own projects: CV database with Django + React (2021), incident reporting system (2021)

06/2018 – 06/2020

Military Service (mandatory, completed)

Iran

- Alongside service: own project – pet supplies online shop (2019)

07/2017 – 05/2018

Self-Study until Military Service Call-up

Tehran

- Deepened university course content: programming, databases and web development

EDUCATION

09/2026 – present	Bachelor's degree (Kārshenāsi) in Web Programming Gostaresh Informatics Iran – University of Applied Science and Technology, Tehran Part-time alongside work; expected graduation 2028
2015 – 2017	Kārdāni (2-year degree, comparable to an Associate Degree) – Computer Software Imam Sadegh Technical College (state), Tehran
2012 – 2015	High School Diploma – Computer Science (technical/vocational track) Shahid Nasirzadeh Vocational High School – selective state model school (entrance exam), Tehran

SELECTED PROJECTS

2026	Management Dashboard & Performance Analytics – KPIs and performance analysis for management
2026	Market Intelligence Tool – collection and comparison of product prices across markets
2026	AI Assistant – assistant system based on large language models
2025	Intelligent Price Inquiry & Asset Valuation System – Django/REST API, React, SQL Server; automated price inquiries and asset valuation
2024	Intelligent Document Management System – company-wide repository with search and workflow features
2023	Language School Management System (LMS) – courses, students and administration; video learning platform with subscription model

PROFESSIONAL TRAINING

2025	AI Engineering – Neo Learn (30 h)
2023	Data Analysis – Tehran Technical Complex (30 h)
2021	SQL Server Performance & Tuning (75 h), Power BI Desktop (30 h) – Nikamooz
2021	Python Programming (60 h) – Tehran Technical Complex; Advanced Python (30 h) – Nikamooz
2020	Business Intelligence – Nikamooz (90 h)
2020	SQL Server Querying (45 h) and Advanced T-SQL: Window Functions, Columnstore Index (30 h) – Nikamooz
Around 420 hours of professional training in total.	

TECHNICAL SKILLS

Backend	Python, Django, REST APIs (advanced) · VB.NET (good)
Databases	MS SQL Server, T-SQL, PostgreSQL, MySQL (advanced) · SSIS (basic)
Frontend	React, JavaScript, HTML/CSS (good) · TypeScript (basic)
DevOps & Tools	Git (advanced) · Docker, GitLab (good)
Reporting & BI	Crystal Reports (advanced) · Stimulsoft Reports, Power BI, Excel, Access (good)
Other	Selenium, OpenCV (basic) · AI-assisted development (Claude, Codex)

LANGUAGES

Persian	native
English	good (B level), confident in technical communication
German	basic (A2)

Tehran, 3 October 2026

Erfan Mohammadi