

# Shahriyar Tarnasi

📍 Valencia, Spain

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## SUMMARY

Senior Backend Engineer with 7+ years of experience in Python, specializing in scalable systems, data pipelines, and API development. Proven track record in designing microservices and high-performance architectures using Django and FastAPI. Strong background in data engineering concepts, including ETL processes, data modeling, and handling large-scale data systems. Experienced with cloud-native tools such as Docker and Kubernetes, with a focus on building reliable and secure data-driven applications.

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## EXPERIENCE

### Senior Python Backend Engineer | Data Pipelines & Cloud

Saxon Software

June 2022 – Present, Dubai, United Arab Emirates · On-site

- Engineered robust end-to-end functionalities using modern frameworks, integrating frontend and backend components to deliver seamless user experiences for diverse client applications.

### Senior Python Backend Engineer

Fibodex

May 2020 – December 2021, On-site

- Implemented secure **authentication and authorization** systems using JWT, OAuth2, and Google OAuth.
- Developed **backend web applications** with Python frameworks (Django, FastAPI), focusing on scalability and performance.
- Built **real-time communication features** using WebSockets for high-concurrency applications.
- Processed and managed **large-scale cryptocurrency data**, implementing caching strategies for high-performance data retrieval.
- Integrated **payment gateways** to support secure and reliable transactions in web applications.

### Python Backend Engineer

Pishkhan

January 2020 – May 2020, On-site

- Developed and maintained web applications using **Node.js (ExpressJS)** and **PHP (Laravel)**, ensuring scalability and reliability.
- Implemented **responsive frontend interfaces** using JavaScript, jQuery, and Angular to enhance user experience.
- Integrated **APIs and third-party services** to extend application functionality and streamline workflows.
- Optimized application performance through **efficient algorithms and database query improvements**, reducing latency and resource usage.
- Collaborated with **cross-functional teams** to gather requirements and deliver high-quality, production-ready software solutions.

### Python Backend Developer

Sofigasht

February 2019 – April 2020, On-site

- Developed a **CRM system** to manage customer data, track interactions, and streamline sales processes.
- Implemented features for **customer management**, including contact tracking, segmentation, and reporting.
- Built modules to support **multi-country tour management**, handling bookings, itineraries, and localization.

### Junior Java Developer

MCI

July 2018 – October 2018, Tehran Province, Iran · On-site

- Implemented backend features** during a Java internship, developing REST APIs and core modules for internal applications.
- Prior to the internship, built multiple **frontend projects** using **JavaScript (Vue2, jQuery)**, **HTML/CSS**, and **Bootstrap** to strengthen practical development skills.
- Gained hands-on experience in UI development, responsive design, and modular code architecture through independent and academic projects.

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## PROJECT

### Drilliphant

Saxon Software · [saxonsoftware.com/](https://saxonsoftware.com/) · July 2022 – Present

- Developed and maintained backend systems for cybersecurity and drilling data platforms, enabling secure data processing and real-time operational insights.

### Environment forge

Personal Package · [github.com/tarnasi/eforge](https://github.com/tarnasi/eforge) · April 2026 – April 2026

- Developed an encrypted environment variable manager for Python with no external dependencies, enabling cross-environment compatibility.
- Engineered a cross-platform tool for securely managing environment variables, ensuring compatibility across diverse deployment scenarios while eliminating reliance on external libraries.

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## EDUCATION

**CERTIFICATIONS**

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**Advanced Python Programming And Object-Oriented Thinking Course**  
Quera | کوئرا • 2025

**TypeScript for JavaScript Developers**  
LinkedIn • 2025

**Blockchain: Learning Solidity**  
LinkedIn • 2025

**Blockchain Basics**  
LinkedIn • 2025

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**SKILLS**

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Python, SQL

Data Pipelines, ETL/ELT, Data Modeling, Data Warehousing

REST APIs, Microservices, Distributed Systems

Docker, Kubernetes (if you used it), AWS / GCP / Azure (pick yours), CI/CD

PostgreSQL, MySQL, MongoDB, Redis (only include what you used)

FastAPI, Django, Airflow, Kafka (only if applicable)

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