

# Purya Behzadpur

## Senior Python Engineer

✉ puryabzp@gmail.com ☎ +989368115384 📍 Tehran, Iran 🔗 [linkedin.com/in/purya-behzadpur/](https://www.linkedin.com/in/purya-behzadpur/) 🐙 [github.com/puryabzp](https://github.com/puryabzp)

Senior Python Engineer with extensive experience in designing, developing, and optimizing complex backend systems, particularly for scalable data processing and API construction in high-demand environments.

### SKILLS

Python | Git | SOLID | FastAPI | Django | Flask | Agile & Scrum Methodologies | Docker | Linux | Pyspark | Bash | Kafka | AirFlow | CI/CD | AWS | Redis | Data Engineering | Kubernetes | API Gateways | Azure | GCP | DDD | OOP | BDD | TDD | ETL Processes | Microservices | GraphQL | Pandas | MySQL | MongoDB | CQRS | Pytest | Grafana | Terraform | PostgreSQL | Elasticsearch | Integration Testing | Unit Testing | Machine Learning | RabbitMQ

### WORK EXPERIENCE

#### Senior Python Engineer, Data Systems Charisma Financial Group

May 2023 – present | Tehran, Iran

- Devised a portfolio management system aligning investment strategies with clients' financial goals using FastAPI and Kafka.
- Facilitated a robust CI/CD pipeline, markedly reducing deployment errors and enhancing operational efficiency.
- Designed custom Flask, Grafana, and Plotly Dash dashboards to monitor and predict system performance effectively.
- Revamped data processing capabilities to support real-time updates across over 1,000,000 customer profiles.
- Established real-time PostgreSQL to Kafka data pipelines for efficient change data capture and streamlined data processing.
- Fostered data processes for over 1400 Tehran Stock Exchange tickers, safeguarding data integrity.
- Led the migration of asset proposal systems to Airflow from Prefect, which greatly elevated operational security and curtailed raw data processing time by over 80%.
- Performed routine code reviews to uphold code quality, ensure maintainability, and enforce coding standards organization-wide.

#### Back-end Developer Bithome

Feb 2022 – May 2023 | Tehran, Iran

- Contributed to a 5-person Agile team to enhance the backend architecture by implementing new designs and algorithms, resulting in a successful application launch.
- Improved endpoint performance by 63% by migrating time-consuming functions to background tasks using Celery and Redis.
- Enhanced performance and extensibility while cutting customer response time by 50% by developing a new version of the back-office application using Django.
- Optimized product quality through extensive test coverage of new features, resulting in a 23% reduction in customer complaints.
- Created a monitoring dashboard with Sentry to improve issue identification and reduce debugging time.
- Resolved speed issues by optimizing database queries, resulting in 25% faster application speed.

#### Back-end Developer Andisheh Negar Pars

Jun 2020 – Feb 2022 | Tehran, Iran

- Implemented an application to manage 1000+ clients as part of the SIEM platform.
- Applied WebSocket protocol for secure and stable client-server communication with AES-128 encryption.
- Adopted Celery and Redis for asynchronous task execution, with Docker and Nginx for deployment.
- Participated in a team of four to architect and implement a microservices-based system, which led to a 40% increase in development efficiency and significantly enhanced system performance.
- Streamlined the onboarding process by documenting project structure and installation instructions.
- Spearheaded Dockerization of projects, streamlining deployment for enhanced efficiency and reliability.
- Successfully integrated Elasticsearch, Logstash, and ElastAlert, establishing a robust monitoring and alert system that enhanced real-time log analysis and anomaly detection.

#### Software Developer PFK

Nov 2017 – Jun 2020 | Tehran, Iran

- Played a pivotal role in developing and maintaining Java-based camera firmware, focusing on advanced imaging and functional reliability.
- Engineered a Python-driven software system to manage and support real-time data exchange for camera operations in 28 cities.
- Refined MySQL database queries to enhance data processing speed and overall system efficiency.
- Oversaw the maintenance and surveillance of the company's server infrastructure and ITS (Intelligent Transportation Systems), ETC (Electronic Toll Collection) databases across multiple data centers.

### EDUCATION

#### B.S. Information and Communications Technology Shamsipour Technical and Vocational College

Sep 2012 – Jan 2017 | Tehran, Iran