Jamil Mahmudlu
Senior Software Developer

SUMMARY

Engineer with a Computer Engineering degree (GPA 86/100) and 4+ years of experience specializing in backend development using Python frameworks including Django, DRF, FastAPI, and Flask. Proficient in designing scalable RESTful APIs, asynchronous systems with Celery and Redis, and database optimization with PostgreSQL, MySQL, and MongoDB. Experienced in deploying containerized applications via Docker and cloud platforms like AWS and Google Cloud. Skilled in integrating AI/ML models (TensorFlow, PyTorch) for NLP and predictive analytics, and mentoring developers on clean code, testing, and best practices within Agile environments.

TECHNICAL SKILLS

Main Technical Skills	Python (4 yr.), Django REST framework (4 yr.), RESTful API (4 yr.), FastAPI (4 yr.), Flask (4 yr.)
Programming Languages	JavaScript (2 yr.), Python (4 yr.), TypeScript
Python Frameworks	Django REST framework (4 yr.), FastAPI (4 yr.), Flask (4 yr.)
JavaScript Frameworks	Express (2 yr.), Node.js (2 yr.), React (2 yr.)
Python Libraries and Tools	pytest, TensorFlow
AI & Machine Learning	TensorFlow
Databases & Management Systems / ORM	AWS ElasticSearch, MongoDB (2 yr.), MySQL (3 yr.), PostgreSQL (4 yr.), Redis (2 yr.)
Cloud Platforms, Services & Computing	AWS (2 yr.), GCP
Amazon Web Services	AWS ElasticSearch
Message/Queue/Task Brokers	Celery (2 yr.), RabbitMQ
Virtualization, Containers and Orchestration	Docker (4 yr.), Terraform
SDK / API and Integrations	FastAPI (4 yr.), RESTful API (4 yr.)
Version Control	Git (4 yr.)
Web/App Servers, Middleware	Nginx

QA, Test Automation, Security	pytest, Selenium
Mail / Network Protocols / Data transfer	WebSockets (1 yr.)

WORK EXPERIENCE

Backend Developer, Web Applications and Services Development

Duration: 04/2024 - Present
Summary:

- Designed, developed, and maintained scalable Python applications and services using Django, DRF, FastAPI, Flask, and REST APIs
- Collaborated with cross-functional teams including data scientists, product managers, and designers to deliver high-quality, production-ready solutions
- Integrated and optimized databases (PostgreSQL, MySQL, MongoDB) for performance and consistency
- Implemented AI/ML models (ChatGPT, TensorFlow, PyTorch) for NLP and predictive analytics
- Built asynchronous systems with Celery, Redis, WebSockets, ensuring scalability and resilience
- Deployed and maintained applications with Docker and AWS, ensuring stability and reliability
- Wrote clean, reusable, and well-tested code following PEP8, unit tests, and code reviews
- Continuously explored advancements in Python, backend development, and AI-driven technologies

Responsibilities: Design, development, maintenance of scalable backend services; collaboration with cross-functional teams; database integration and optimization; AI/ML model implementation; asynchronous system building; deployment and maintenance; code quality assurance.
Technologies: Python, Django, DRF, FastAPI, Flask, REST API, PostgreSQL, MySQL, MongoDB, Celery, Redis, WebSockets, Docker, AWS, AI/ML (ChatGPT, TensorFlow, PyTorch)

Backend Developer / Backend Instructor, Web Applications and Backend Training

Duration: 04/2024 - Present
Summary:

- Developed and maintained robust web applications using modern Python frameworks such as Django, DRF, FastAPI, Flask and also Express
- js, React
- Built and optimized RESTful APIs, integrated third-party services, and worked with databases (PostgreSQL, MySQL) to deliver scalable solutions
- Participated in code reviews, sprint planning, and collaborative feature development, ensuring high-quality
- Implemented unit testing, debugging, and performance optimization to improve system reliability and maintainability
- Deployed applications with Docker, ensuring smooth delivery and scalability
- Organized workshops and Q&A sessions, helping learners strengthen problem-solving skills

- Delivered backend training sessions with supporting materials, guiding students through practical coding exercises and best practices and detailed feedback on coding practices

Responsibilities: Web application development and maintenance; REST API building and optimization; third-party service integration; database management; code reviews and sprint planning; unit testing and debugging; deployment; conducting workshops and training sessions; mentoring students.
Technologies: Python, Django, DRF, Flask, FastAPI, PostgreSQL, MySQL, Docker, Git, REST API, Node.js, Express.js, React, MongoDB

Backend Developer, Backend Systems Development and Deployment

Duration: 01/2023 - 11/2024
Summary:

- Designed and maintained scalable, secure, and high-performance backend systems
- Wrote optimized, well-documented SQL queries and managed relational databases to ensure data integrity and performance
- Integrated and customized third-party APIs to expand application functionality and improve user experience
- Worked with asynchronous tasks, caching, and performance optimization techniques to boost efficiency
- Managed deployment and containerization with Docker, ensuring smooth CI/CD pipelines

Responsibilities: Backend system design and maintenance; SQL query optimization; database management; third-party API integration; asynchronous task handling; caching and performance optimization; deployment and containerization.
Technologies: Python, Django, FastAPI, PostgreSQL, Elasticsearch, Docker, AWS

Backend Developer / Mentor, Backend Services and Mentorship

Duration: 02/2023 - 08/2023
Summary:

- Developed backend services with Python/Django and built REST APIs for web and mobile applications
- Collaborated with frontend developers to integrate APIs, ensuring complete and seamless solutions
- Optimized performance and implemented best practices for scalable and maintainable backend systems
- As a mentor, assisted students in understanding best practices including clean code, Git workflow, and testing, supporting their growth and project success

Responsibilities: Backend service development; REST API building; frontend-backend integration; performance optimization; mentoring students on best practices.
Technologies: Python, Django, Flask, REST API, PostgreSQL, Git, Docker

Full Stack Developer, Company Website and Partner Websites Development

Duration: 08/2022 - 01/2023
Summary:

- Built and maintained web applications with Python/Django on backend and ReactJS, HTML, CSS, Tailwind, Bootstrap on frontend
- Designed and launched the company website (1inci
- az) with modern frameworks, ensuring responsive UI

- Added new features and improvements to partner websites, implementing both backend APIs and frontend components for complete solutions

Responsibilities: Full stack web application development; company website design and launch; feature development and improvements for partner websites; backend API and frontend component implementation.
Technologies: Python, Django, ReactJS, Tailwind, Bootstrap, HTML, CSS, REST API, Git, Docker

Backend Developer, Automation Scripts and Backend Tools Development

Duration: 08/2023 - 04/2024
Summary:

- Built automation scripts and backend services for large-scale systems, including controlled browser automation and reproducible VM-based pipelines
- Developed automation scripts and backend tools for large-scale processing and browser-controlled workflows
- Implemented cloud-based deployment, CI/CD integration, and Terraform-driven environment configuration
- Built internal utilities to enhance debugging, stability, and automation reliability

Responsibilities: Development of automation scripts and backend services; browser automation; VM-based pipeline creation; cloud deployment; CI/CD integration; environment configuration with Terraform; internal utility development for debugging and stability.
Technologies: Python, Rust, Django, FastAPI, Selenium, PostgreSQL, Docker, Git, Terraform, Google Cloud, AWS

EDUCATION

- **Computer Engineering**
  GPA 86/100
  Sep 2020 - June 2024