

Marko K.

Back-End / AI Developer

Summary of Qualifications

Experienced back-end developer with over 4.5 years in building and maintaining scalable data-driven systems — from initial concept and client communication to MVP delivery, live support, and iterative improvement. Skilled in designing predictive and analytical platforms powered by Python, SQL/NoSQL databases, LLMs, 3rd party integrations, and AWS infrastructure. Proven ability to work across full development cycles, including presenting results to stakeholders and adapting solutions to real-time environments.

Known for a strong work ethic, reliability, and continuous self-improvement mindset. Passionate about building meaningful products and solving complex technical challenges through clean, efficient code and structured thinking.

Skills

Programming Languages/Technologies

- SaaS/RIA Research & Development
- Asynchronous Programming
- Technical Documentation/Architecture Reports
- XML/JSON/YAML
- Python
- WebSocket's

RDBMS

- MySQL
- PostgreSQL
- Alembic
- MS SQL

NoSQL

- Redis

Virtualization Tools

- Docker / Docker Compose

Methodologies

- Agile, Scrum, Kanban
- Pair Programming

Operating Systems

- Debian/Ubuntu/ Arch/Linux
- macOS

CI/CD

- GitHub CI/CD
- GitHub Actions
- Bitbucket CI/CD

Versions Control

- Git
- GitHub
- BitBucket

Integration Tools

- Stripe
- StableDiffusion
- OpenAI
- Anthropic API

Frameworks/Libraries

- FastAPI
- Flask
- SQLAlchemy
- Pydantic
- Numpy/Pandas
- Requests
- Aiohttp
- bs4
- Celery
- Kafka
- Selenium
- Auth0
- LangChain

Automation Tools

- N8N

Application/Web Servers

- Nginx

Cloud Providers

- AWS
- Heroku
- OVH
- Hetzner

Development Tools

- PyCharm

Testing Tools

- Postman
- Pytest
- Unittest, Mock
- Sentry
- Prometheus
- Grafana

Experience	<div data-bbox="506 199 1539 241"> Pikt – AI website builder </div> <div data-bbox="256 247 1539 373"> Project Description: The web platform featuring AI-driven website creation, integrated e-commerce solutions, automated domain registration, and custom email services. Built end-to-end functionality enabling users to launch professional websites with intelligent design generation, payment processing, and domain management through a single interface. </div> <div data-bbox="391 380 730 411"> Domain: Web development </div> <div data-bbox="224 417 626 449"> Involvement Duration: 1.5 years </div> <div data-bbox="342 455 927 487"> Project Role: Team Lead Back-End/AI Developer </div> <div data-bbox="298 493 1114 779"> Responsibilities: <ul style="list-style-type: none"> ▪ Back-end development; ▪ Team management; ▪ API integrations; ▪ Prompt engineering; ▪ Code base refactoring; ▪ Implementing new features; ▪ Development, build and deployment scripts; ▪ Fixing bugs; ▪ Code review. </div> <div data-bbox="277 785 737 816"> Project Team Size: 8-9 team members </div> <div data-bbox="237 823 1510 917"> Tools & Technologies: Python, FastAPI, OpenAI, Stable Diffusion, Stripe, Web Sockets, Anthropic API, Langchain, Google Search Console, PostgreSQL, Redis, Auth0, OVH, Postman, Prometheus/Grafana, Docker. </div> <div data-bbox="506 953 1539 995"> AI Social media automatization </div> <div data-bbox="256 1001 1539 1190"> Project Description: The main aim of the project is in automatization of clean video creation (full and shorts for social media) and translation using AI. The user provides a raw video and a text script containing time markers of the chapters, blooped cuts, camera changes, etc. This video is cleaned automatically. Video is translated into specified foreign languages using AI speech-to-text and text-to-speech technologies. As a result, clean videos in all the needed languages are rendered. </div> <div data-bbox="391 1197 639 1228"> Domain: Marketing </div> <div data-bbox="224 1234 594 1266"> Involvement Duration: 1 year </div> <div data-bbox="342 1272 779 1304"> Project Role: Back-End/AI Developer </div> <div data-bbox="298 1310 1294 1564"> Responsibilities: <ul style="list-style-type: none"> ▪ Back-end development; ▪ App and DB architecture; ▪ Back-end logic for video upload; ▪ OpenAI integration; ▪ Prompt engineering; ▪ Social networks content management including auto-replies; ▪ Testing; ▪ Error Handling. </div> <div data-bbox="277 1570 737 1602"> Project Team Size: 4-6 team members </div> <div data-bbox="237 1608 1471 1671"> Tools & Technologies: Python, FastAPI, SQLAlchemy, Pydantic, OpenAI, Anthropic API, Nginx, Alembic, Redis, Celery, Prometheus, Poetry, Hetzner. </div> <div data-bbox="506 1707 1539 1749"> Competitive event analysis system </div> <div data-bbox="256 1755 1539 1913"> Project Description: Development of the instrument for the prediction of business outcomes. Technologies are engineered with custom-built advanced statistical models, proprietary algorithms, and best-in-class real-time data processing. The portfolio includes offline algorithms that predict complete operational results and online algorithms that are fed with a live data stream of business events and update their predictions in real-time. </div> <div data-bbox="391 1919 758 1950"> Domain: Business Intelligence </div>
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Involvement Duration:	2 years
Project Role:	Back-End Developer
Responsibilities:	<ul style="list-style-type: none">▪ Back-End Development;▪ Code refactoring;▪ Bug fixing;▪ Preparing technical specification;▪ Code development;▪ Code review.
Project Team Size:	5-6 team members
Tools & Technologies:	Python, FastAPI, WebSockets, MySQL, SQLAlchemy, Alembic, PostgreSQL, Elastic, Prometheus, Grafana, GraphQL, Redis, Unittest, Sentry, Docker.

Certificates	Secure coding in Python Coursera, Ukraine	
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Education	Bachelor's degree National aviation university Systems of technical protection of information
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Languages	English – Advanced Ukrainian – Native
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