

Andrii K. Backend Developer

Summary of Qualifications

Backend Developer with 3 years of hands-on experience building high-performance, scalable systems using Python, Django, FastAPI, and modern cloud-native tools. Strong expertise in API development, database design (PostgreSQL, MySQL, Redis, MongoDB), asynchronous processing, and microservice architecture. Skilled in integrating third-party services, implementing AI-powered features, and optimizing legacy code for maintainability and speed. Experienced in CI/CD, containerization (Docker), workflow automation, and developing reliable backend infrastructure for AI-driven platforms and marketplaces. Adept at collaborating in cross-functional teams, delivering clean, well-tested code, and maintaining high engineering standards.

Skills

Programming Languages/Technologies

- Python
- SQL
- Software Architecture Design/UML/Reverse Engineering/Design Patterns
- Technical Documentation/Architecture Reports/Proposals/SRS
- XML/JSON/YAML
- HTML/CSS
- Websockets

RDBMS

- MS SQL Server
- MySQL
- PostgreSQL
- SQLite

NoSQL

- Elasticsearch
- Redis
- MongoDB

Virtualization Tools

- Docker
- Docker Compose

Methodologies

- Agile, Scrum, Kanban, Waterfall
- Pair Programming
- Test Driven, Feature Driven

Testing Tools/Libraries

- Postman
- PyTest
- Unittest
- Polyfactory

Versions Control

- Git
- GitHub
- GitLab

Frameworks/Libraries

- FastAPI
- Django
- Pydantic
- SQLAlchemy
- Celery
- FastStream
- Redis Queue
- Twilio
- OpenAI
- LangChain
- LangSmith
- FluxAI
- Heygen
- ElevenLabs
- mypy
- flake
- black
- ruff
- Alembic
- SQLAlchemy
- aiohttp
- Numpy/Pandas
- requests
- bs4
- Selenium
- APScheduler
- asyncio
- botocore/aiobotocore
- Prometheus
- DynadotAPI
- CloudflareAPI
- SerpAPI

Automation Tools

- n8n


Cloud Providers

- AWS

	<p>AI/ML Tools</p> <ul style="list-style-type: none"> ▪ OpenAI (Whisper, ChatGPT) ▪ OpenCV ▪ Prompt Engineering ▪ LangChain, LangSmith ▪ LLaMa-3, Claude ▪ RAG ▪ AI Agents ▪ Groq 	<ul style="list-style-type: none"> ▪ OVH ▪ GCP ▪ Heroku
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Experience		
	Marketplace for designers	
Project Description:	The web platform for designers, proposing logo design competitions, works directly with clients and designers to create the best logo designs. Many designers can participate in a competition, so the customer will receive 200+ designs for their brand. The platform includes a design marketplace, designer pages, and designer portfolios. In addition to logo design competitions, the platform offers the opportunity to hire a designer for personalized projects, such as creating other brand materials beyond logos. Clients can collaborate with designers to develop comprehensive brand kits, including style guides and other resources, to ensure brand consistency and support future design needs.	
Domain:	Marketing AI & ML	
Involvement Duration:	1.5 years	
Project Role:	Backend Developer	
Responsibilities:	<ul style="list-style-type: none"> ▪ Optimizing and improving the system architecture; ▪ Refactoring and restructuring the existing codebase; ▪ Backend application development; ▪ Implementing new features and functionality; ▪ Integrating external services and APIs; ▪ Implementing AI-related components; ▪ Expanding the platform's capabilities (supporting additional products, scaling the design team); ▪ Creating and maintaining build, deployment, and automation scripts; ▪ Fixing bugs and optimizing application performance; ▪ Conducting code reviews and ensuring high code quality standards. 	
Project Team Size:	3-5 team members	
Tools & Technologies:	Python, Django, DRF, PostgreSQL, LangChain, Docker, Celery, Contentful.	
	AI-based website page builder	
Project Description:	Desktop application for generating web pages using artificial intelligence technologies. Automatically creates responsive, visually appealing pages based on user-defined settings and preferences. Designed to simplify website creation without the need for coding. Cutting-edge SEO platform developed to enhance online visibility for businesses. Features real-time analytics, advanced optimization tools, and a user-friendly interface. Provides actionable insights to improve search engine performance.	
Domains:	Software development AI SEO	
Involvement Duration:	1.5 years	
Project Role:	Backend Engineer	
Responsibilities:	<ul style="list-style-type: none"> ▪ Contributed to the development of a high-performance backend architecture; ▪ Built and maintained a reliable admin panel; ▪ Refactored legacy code to improve maintainability, performance, and overall quality; ▪ Implemented new functionality and enhanced existing product features; 	

Project Team Size:	15 team members
Tools & Technologies:	Python, FastAPI, PostgreSQL, Celery, Redis, Auth0, OVH, AWS, Cloudflare, Majestic, Docker.

Certifications	AI Automation: Build LLM Apps & AI-Agents with n8n & APIs Udemy 
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Education	Bachelor's degree Lviv Polytechnic National University Computer Science
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Languages	English: Upper-Intermediate
	Ukrainian: Native