Dmytro H.

Full Stack / AI Developer

Summary of Qualifications

I am a Full Stack / AI Developer with 3.5 years of experience in designing and developing scalable server-side architectures, AI-powered solutions, and full-stack applications. My expertise includes Python (FastAPI, Django), JavaScript/TypeScript (React, Vue.js), and cloud platforms (AWS). I have a strong background in AI/ML model integration, data processing pipelines, and automation systems (e.g., CAD design automation).

I am skilled in building high-performance APIs, implementing CI/CD workflows, and optimizing databases (SQL & NoSQL). My experience covers asynchronous programming, microservices. I'm passionate about delivering robust, production-ready solutions, conducting code reviews, and leading technical improvements across projects.

Skills

Programming Languages/Technologies

- Asynchronous Programming
- Technical Documentation/Architecture Reports
- XML/JSON/YAML
- Python
- JavaScript/TypeScript

RDBMS

- MySQL
- PostgreSQL
- Alembic
- MSSQL

NoSQL

Redis

Virtualization Tools

Docker / Docker Compose

Methodologies

- Agile, Scrum, Kanban
- Pair Programming

Operating Systems

- Microsoft Windows
- Debian/Ubuntu/ Arch/Linux

CI/CD

- GitHub CI/CD
- GitHub Actions

Versions Control

- Git
- GitHub
- GitLab
- BitBucket

Frameworks/Libraries

- FastAPI
- Django/DRF
- SQLAlchemy
- React
- Vue.js
- Numpy/Pandas
- Requests
- Aiohttp
- Matplotlib
- Selenium
- BeautifulSoup
- boto 3
- LlamaIndex
- Whisper
- Faster Whisper
- MCP Server Connectors
- ElevenLabs
- Telegram API
- Starlette
- Grafana
- Prometheus

Application/Web Servers

Nginx

Cloud Providers

AWS

Development Tools

- Visual Studio
- PyCharm

Testing Tools

- Postman
- Pytest
- Unitest, Mock

Experience	
	Al-driven backend system for automated content generation and workflow
	orchestration
Project Description:	Developed a backend platform that automates data workflows and integrates AI modules for intelligent content generation. The system focuses on efficient backend architecture, combining API-driven automation with AI-powered NLP and image-processing tools to enhance content creation and streamline operations.
Domain:	Software Development Al Integration Automation
Involvement Duration:	1 year
Project Role:	Back-End Developer
Responsibilities:	 Designed and implemented RESTful APIs using FastAPI; Developed modular backend services for authentication, data processing, and AI integration; Integrated AI components for NLP-based content generation and background processing;
	 Built database layer and optimized SQL queries using SQLAlchemy and PostgreSQL; Implemented asynchronous task execution and service communication;
	 Integrated external APIs, third-party services, and payment systems; Maintained codebase quality with unit tests, CI/CD pipelines, and documentation; Participated in system architecture design and optimization.
Project Team Size:	6-8 team members
Tools & Technologies:	Python (FastAPI), SQLAlchemy, PostgreSQL, Pydantic, Docker, Celery, Redis, Pandas, OpenAl API, GitHub Actions.
	Al system for automating design processes and generating design documentation
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	Full Stack / AI Developer
	Clarity Health Solutions
Project Description:	The company specializes in providing solutions in the healthcare sector. They offer too for monitoring medical service costs and help companies understand pricing for healthcar services. The main goal is to ensure transparency in the healthcare system, allowing employers to manage expenses for their employee health programs more effectively.
Domain:	Al & ML Healthcare
nvolvement Duration:	1 year
Project Role:	Back-End Developer
Responsibilities:	 Developed and maintained web scraping pipelines for extracting structured ar unstructured data from various online sources; Implemented document parsing workflows for PDFs, Word files, scanned documents, and technical specifications; Performed data cleaning, normalization, and transformation to ensure consistency and quality across datasets; Conducted exploratory data analysis to identify patterns, validate data integrit and support decision-making; Created automation scripts and custom tools to streamline data collection as processing tasks; Designed and built a custom document parsing framework adaptable to multip formats and languages; Produced and maintained clear technical documentation for scraping workflow configurations, and data schemas; Wrote automated tests and performed manual validation to ensure scrapin accuracy and reliability; Implemented robust error handling, logging, and monitoring to support stab production performance.
Project Team Size:	10-15 team members
Tools & Technologies:	Python, BS4, Selenium, Numpy/Pandas, boto3, FastAPI, jinja2, PyTest, Pydent

Certificates	Python Pro Hillel	hắllel IT school
	React Hillel	híllel IT school
	Front-end Pro Hillel	hắllel IT school

Education	Bachelor's degree in Cybersecurity National university "Odesa Polytechnic"
	Master's degree in Cybersecurity and information protection
	National university "Odesa Polytechnic"
	Freelish Advanced
Languages	English - Advanced
	Ukrainian – Native
	Russian - Native