

Serhii H.

Back-End Developer

Summary of Qualifications

I'm a Back-End software developer with 3,5 years of proven professional experience. Understand software engineering and architecture, OOP principles, numerical methods, discrete math, DBMS, software design, and web programming.

The main technologies I have used in my previous projects were Python, SQL, NoSQL, and AWS.

My personal qualities – are responsibility, persistence, reliability, great team player, hard worker, attention to detail, and constant learning of new things. My mind is always open.

Skills

Programming Languages/Technologies

- Software Architecture Design/Design Patterns/Reverse Engineering
- Technical Documentation/Architecture Reports
- XML/JSON/YAML
- Python
- HTML/CSS
- SQL
- WebSockets

RDBMS

- PostgreSQL
- SQLite
- MSSQL

NoSQL

- Elasticsearch
- Redis
- MongoDB
- Neo4j

Virtualization Tools

- Docker

Methodologies

- Agile, Scrum, Kanban
- Pair Programming
- Waterfall

Operating Systems

- Debian/Ubuntu/Linux

CI/CD

- GitHub CI/CD
- GitHub Actions

Frameworks/Libraries

- FastAPI
- Django/DRF
- Flask
- SQLAlchemy
- Alembic
- Numpy/Pandas
- bs4
- boto3
- Requests
- AIOHTTP
- Beanie
- Celery

Application/Web Servers

- Nginx
- Uvicorn/Gunicorn

Cloud Providers

- AWS

Development Tools

- PyCharm

Testing Tools

- Postman
- Pytest
- Unittest, Mock

Versions Control

- GitHub
- GitLab
- Git

Experience	AI Assistant Start-up	
	Project Description:	This AI assistant can answer company-specific questions, the source of answers is the client's website, or some pool of different kinds of documents, provided by the client.
	Domains:	AI, Ed-tech
	Involvement Duration:	1 year
	Project Role:	Back End Developer
	Responsibilities:	▪ Solution architecture; ▪ Development; ▪ CI&CD; ▪ Code review, mentoring; ▪ Task planning.
	Project Team Size:	5-7 team members
	Tools & Technologies:	Python 3.X, FastAPI, MongoDB, Pinecone, AWS S3, AWS ECR, AWS ECS, AWS EC2, Docker, Docker Compose.
	AI-Security Platform	
	Project Description:	A tool for finding scammers in the blockchain empowers security and risk teams to automatically detect and respond to attacks in real time. The software is searching for hackers or attacks in the blockchain using ML algorithms.
	Domain:	AI & Machine Learning
	Involvement Duration:	1 year
	Project Role:	Back End Developer
	Responsibilities:	▪ Preparing technical specification; ▪ Code development; ▪ Development build; ▪ Writing IaC, preparing GitHub Actions; ▪ ETL data pipeline organization; ▪ Fixing bugs; ▪ Unit testing; ▪ Code review; ▪ DB structure optimization.
	Project Team Size:	13-15 team members
	Tools & Technologies:	Python, FastAPI, Neo4j, MongoDB, Beanie, PostgreSQL, Alembic, SQLAlchemy, Pandas, boto3, Websockets, AWS EC2, AWS ECR, AWS ECS, AWS RDS, CloudWatch, Docker.
	Multiple Projects in Outsource Company	
	Project Description:	An outsourcing company providing services to various government and commercial customers. Examples of work - the state platform for employment in the country, a catalog of professions with a description of the requirements and conditions.
	Domain:	Government
	Involvement Duration:	1 year
	Project Role:	Back End Developer
	Responsibilities:	▪ Code development; ▪ Upgrading existing codebase to latest Django version; ▪ Integration of Elasticsearch engine; ▪ REST API development; ▪ Added multi-language support; ▪ Creating customized Django admin panel;

	3rd Party API integrations; - Product support and documentation maintenance; - DB structure optimization.
	Project Team Size: 6-7 team members
	Tools & Technologies: Python 3.X, Django, DRF, PostgreSQL, Django Haystack, ElasticSearch, GraphQL, Graphene Django, DRF Spectacular, Django Grappelli, Django S3direct, AWS S3, AWS ECR, AWS ECS, AWS EC2, Celery, Docker, Docker Compose.
	Project Description: Application for assessment of employees Service to control the knowledge of employees. The service is useful for companies that need to control the knowledge of their employees, test results are recorded in a database, after which the analysis of the received data can be performed, and some actions taken against employees.
	Domain: Education Involvement Duration: 0,5 years Project Role: Back End Developer Responsibilities: - Implementing new features; - Integration with SQLAlchemy; - Deployment on AWS; - Unit testing; - Fixing bugs; - Code review.
	Project Team Size: 2-3 team members
	Tools & Technologies: Python, FastAPI, PostgreSQL, Alembic, SQLAlchemy, Redis, Auth0, JWT, Pytest, AWS (S3 bucket, EC2), Docker.

Certificates	Python Basic Hillel IT school, Kharkov 
	Python Advanced Hillel IT school, Kharkov 
	AWS Certified Cloud Practitioner Foundational 

Education	Bachelor's degree Kharkov National University of Polytechnical Institute Integrate Technology
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Languages	English: Advanced
	Ukrainian: Native
	Russian: Native