

# Eduard M.

## Back-End Developer

### Summary of Qualifications

I have 4 years of experience in back-end software development from concept to support and maintenance: communication with the client, working with requirements, coding, developing an MVP, presentation to investors, support, monitoring, updating, and bug fixes. In addition to experience, I have fundamental knowledge from my degree - a bachelor's in computer science.

The main technologies that I used in my previous projects were Python, PostgreSQL, Docker, AWS and GCP.

Additionally, I am a responsible, reliable, and hardworking developer, my main goal is to do my job well and learn something new every day.

### Skills

#### Programming Languages/Technologies

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

#### RDBMS

- MySQL
- PostgreSQL
- Alembic

#### NoSQL

- Redis
- MongoDB

#### Virtualization Tools

- Docker / Docker Compose

#### Methodologies

- Agile, Scrum, Kanban
- Pair Programming

#### Operating Systems

- Microsoft Windows
- Debian/Ubuntu/Linux

#### CI/CD

- GitHub CI/CD
- GitHub Actions

#### Versions Control

- Git
- GitHub
- GitLab

#### Frameworks/Libraries

- FastAPI
- Flask
- Django, DRF
- SQLAlchemy
- Numpy/Pandas
- Requests
- Aiohttp
- Prometheus
- Bs4
- Tkinter
- N8N
- Langchain
- Matplotlib
- Antrophic API
- OpenAI
- streamlit

#### Application/Web Servers

- Nginx

#### Cloud Providers

- GCP
- AWS

#### Development Tools

- Visual Studio
- PyCharm
- Qt Creator
- VSCode

#### Testing Tools

- Postman
- Pytest
- Selenium
- Unittest
- Sentry

## Experience

### Project Description:

#### AI Social media automatization

The main aim of the projects is in automatization of clean video creation (full and shorts for social media) and translation using AI. 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 the result, clean videos in all the needed languages are rendered.

### Domain:

AI & ML

### Involvement Duration:

1 year

### Project Role:

Back-End Developer

### Responsibilities:

- Back-end development;
- Improve system architecture;
- Code base refactoring;
- Implementing new features;
- Fixing bugs;

Code review.

### Project Team Size:

4-7 team members

### Tools & Technologies:

FastAPI, Sqlalchemy, Pydantic, Alembic, Redis, Celery, Prometheus, Botocore, FFmpeg, MoviePy, Poetry.

### Project Description:

#### Data Analytics Chatbot

This project aimed to unleash all the possibilities of LLMs to tackle not only language understanding tasks but also analytical understanding, logical reasoning, and analytical computations. This chatbot can work with various dataset formats, generate and execute SQL/Python depending on user requests or tasks, solve logic reasoning tasks, visualize data based on dataset contents and Python/SQL code, recommend visualizations for user-specific needs, etc.

### Domain:

Chatbot

### Involvement Duration:

1,5 years

### Project Role:

Back-End Developer

### Responsibilities:

- Back-end development;
- Prompt engineering;
- Integrations with various APIs;
- Developing and maintaining API documentation;
- Ensuring high levels of security and data protection;
- Implementing and maintaining a scalable and robust infrastructure using AWS/Azure;
- Implementing new features;
- Code review.

### Project Team Size:

3-5 team members

### Tools & Technologies:

Python, FastAPI, Asyncio, Aiohttp, S3, Langchain, Pandas, Azure, GCP, AWS (DynamoDB), OpenAI, Anthropic API, Matplotlib, Plotly, streamlit, Docker.

### Project Description:

#### Generating web service

This service automates the creation of SEO-optimized websites featuring a large number of interconnected pages. Each website follows a tree-like structure, where pages on a specific topic link to more detailed pages within the same theme.

### Domain:

Web development

### Involvement Duration:

1,5 years

<b>Project Role:</b>	Back-End Developer
<b>Responsibilities:</b>	<ul style="list-style-type: none"><li>▪ Back-end development;</li><li>▪ Improve system architecture;</li><li>▪ Code base refactoring;</li><li>▪ Implementing new features;</li><li>▪ API integrations;</li><li>▪ Development, build and deployment scripts;</li><li>▪ Fixing bugs;</li><li>▪ Code review.</li></ul>
<b>Project Team Size:</b>	5-8 team members
<b>Tools &amp; Technologies:</b>	Python, FastAPI, OpenAI, Langchain, Stripe, Google Ads, PostgreSQL, Redis, Auth0, OVH, Docker.

<b>Certificates</b>	<b>Python Course</b> Coursera, Ukraine <a href="#">coursera</a>
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<b>Education</b>	<b>Master's degree in cybersecurity</b> Kharkiv National University of Radio Electronics
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<b>Languages</b>	<b>English</b> - Upper-Intermediate <b>Ukrainian</b> - Native <b>Russian</b> - Native
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