

# Kyrylo L.

## Middle Full Stack/AI Developer

### SUMMARY

- Full-Stack Developer with 3 years of experience specializing in Blockchain, AI, and Healthcare AI domains, delivering scalable, secure, and modular web and mobile applications.
- Proficient in Python, JavaScript/TypeScript, React, Next.js, FastAPI, Django, PostgreSQL, Docker, and cloud infrastructure (GCP), with strong expertise in asynchronous programming and software architecture design.
- Implemented AI-driven solutions including Retrieval-Augmented Generation pipelines, vector database semantic search, and real-time chatbots integrating LangChain and OpenAI technologies.

### TECHNICAL SKILLS

|                                              |                                                                                         |
|----------------------------------------------|-----------------------------------------------------------------------------------------|
| Main Technical Skills                        | Python (3 yr.), JavaScript (3 yr.), TypeScript (3 yr.), React (3 yr.), Ext JS (1 yr.)   |
| AI Tools & Assistants                        | ChatGPT, Claude, CoPilot, Gemini                                                        |
| Programming Languages                        | JavaScript (3 yr.), Python (3 yr.), TypeScript (3 yr.)                                  |
| Python Libraries and Tools                   | Alembic, AsyncIO, BS4, Pydantic, pytest                                                 |
| AI & Machine Learning                        | Claude, CoPilot, ElevenLabs, LangChain, LangGraph, OpenAI (1 yr.), RAG (1 yr.), Whisper |
| Python Frameworks                            | Django REST framework (1 yr.), Flask                                                    |
| JavaScript Frameworks                        | Ext JS (1 yr.), React (3 yr.)                                                           |
| Databases & Management Systems / ORM         | Firestore (1 yr.), MongoDB, MySQL, Redis (1 yr.), SQL (3 yr.), SQLAlchemy, SQLite       |
| UI Frameworks, Libraries, and Browsers       | Socket.io, Tailwind CSS                                                                 |
| Cloud Platforms, Services & Computing        | GCP (1 yr.)                                                                             |
| Methodologies, Paradigms and Patterns        | Agile (3 yr.), FDD (3 yr.), Kanban (3 yr.), Scrum (3 yr.), TDD (3 yr.)                  |
| Message/Queue/Task Brokers                   | Celery                                                                                  |
| Virtualization, Containers and Orchestration | Docker (3 yr.), Docker Compose (1 yr.), Kubernetes                                      |

|                                                  |                                     |
|--------------------------------------------------|-------------------------------------|
| <b>Version Control</b>                           | Git (3 yr.), Github Actions (3 yr.) |
| <b>Deployment, CI/CD &amp; Administration</b>    | GitLab CI                           |
| <b>SDK / API and Integrations</b>                | Google Maps API                     |
| <b>QA, Test Automation, Security</b>             | Mock, Postman, pytest, Unit Testing |
| <b>Web/App Servers, Middleware</b>               | Nginx                               |
| <b>Third Party Tools / IDEs / SDK / Services</b> | PyCharm, Visual Studio, WebStorm    |
| <b>Mail / Network Protocols / Data transfer</b>  | WebSockets                          |
| <b>Other Technical Skills</b>                    | Groq                                |

## WORK EXPERIENCE

### Full-Stack/AI Developer (AI-Powered Medical Applications Ecosystem)

**Duration:** 1.5 years

**Summary:**

- Development of a range of AI-powered healthcare applications focused on digital pathology and generative multimodal systems, including semantic search over vector databases, custom AI agents, chatbot interfaces, and specialized SVS file viewers
- The project supports integration and operation of multiple backend services and includes a marketing landing page

**Responsibilities:**

- Maintained multiple AI-driven pathology applications, ensuring reliability and performance;
- Designed and implemented scalable, modular technical architecture integrated with GCP;
- Contributed to cross-functional architectural decisions aligning with product and regulatory standards;
- Implemented Retrieval-Augmented Generation (RAG) pipelines to enhance semantic search and AI agent responses using vector databases and contextual knowledge sources.

**Technologies:** FastAPI, React, TypeScript, Next.js, Redis, Firestore, PostgreSQL, OpenAI, RAG, Docker, Google Cloud Platform (GCP)



## Full Stack Developer (Blockchain web and mobile application)

**Duration:** 1 year

### Summary:

- Development of a Web3 educational platform designed to guide users through the crypto token landscape, providing reliable, real-time information and insights to over 150,000 concurrent users
- The platform integrates cryptocurrency wallet connections and delivers up-to-date crypto materials efficiently

### Responsibilities:

- Integrated cryptocurrency wallet connections ensuring secure and seamless transactions;
- Implemented UI fixes and improvements for consistent user experience across web and mobile;
- Developed scalable features supporting real-time delivery of crypto insights to 150k+ concurrent users;
- Participated in code reviews and architectural decisions to ensure platform performance, reliability, and security.

**Technologies:** React, Django, PostgreSQL, Docker, Docker Compose

## Full Stack Developer (Real estate chatbot)

**Duration:** 0.5 years

### Summary:

- Development of an AI-powered interactive chatbot for real estate search, enabling users to find properties for rent or purchase through natural language queries
- The system features map-based visualization, route planning between properties and points of interest, and contextual conversation capabilities to refine search criteria and explore neighborhoods

### Responsibilities:

- Developed and maintained full-stack features including web search-based property discovery and similar sold property search;
- Built frontend components for visualizing nearby points of interest on a map with user interaction;
- Implemented route planning between properties and surrounding locations, managing persistence of nearby objects and their relationships.

**Technologies:** Python, FastAPI, React, TypeScript, REST API, WebSockets, Google Maps API, PostgreSQL, Docker, LangChain, LangGraph

## EDUCATION

- **Kyiv Polytechnic Institute**  
Bachelor's degree in Computer Engineering

