

Serhii S.

Senior Backend / Full Stack Developer

Krakow, Poland

Summary of Qualifications

Hands-on engineer with 5+ years building high-load B2B and B2C platforms in AdTech, fintech and real-time communications. Obsessed with business impact: 100 × query reductions, minutes-to-seconds latency wins, page-speed breakthroughs. Comfortable owning the full SDLC, leading architectural refactors and mentoring multi-disciplinary teams.

Skills

Programming Languages/Technologies

- Python
- JavaScript
- TypeScript
- Software Architecture Design/UML
- SaaS/RIA Research & Development
- Technical Documentation/Architecture Reports
- HTML/CSS/LESS/Sass

RDBMS

- MySQL
- PostgreSQL
- TimescaleDB

NoSQL

- Redis
- MongoDB

CI/CD

- GitHub CI/CD
- GitHub Actions

Frameworks/Libraries

- Django / DRF
- Django Ninja
- Flask
- FastAPI
- ReactJS
- NextJS
- Redux
- React Native
- Vue.js
- SQLAlchemy
- Numpy / Pandas

Cloud Providers

- AWS
- Azure
- Heroku

Virtualization Tools

- Docker
- Docker Compose

Experience

Project Description:

Ad-Booking & Analytics Platform for UK Sports Clubs

Platform automates the end-to-end processes of a retail media network, from inventory management through to invoicing.

Domains:

AdTech

Involvement Duration:

1 year

Project Role:

Senior Backend Developer

Responsibilities:

- Cut DB load > 100× for footfall analytics by eliminating 109 k duplicate queries per media-order via batched aggregations & window functions.
- Reduced calculation latency from > 600 s to < 40 s (92 % faster) on 5-year, multi-million-row datasets, unblocking same-day campaign reporting.
- Designed & shipped XLSX bulk-upload framework (template gen + validation) that lets agency staff import > 10 k product rows in < 2 min with < 1 % error-rate.
- Initiated ongoing modularisation programme: introduced Repository & Service layers, removed 8000-line views, slashed N+1 incidents by 70 %.

Project Team Size:

4-6 team members

Tools & Technologies:



Django, DRF, PostgreSQL, Docker.

Blockchain web and mobile application

Project Description:

A Web3 insights platform helping users explore 23,000+ crypto tokens and discover top investment opportunities. Designed for scale and speed, serving 150k+ users with real-time crypto content.

Domains:	Blockchain Education
Involvement Duration:	2 years
Project Role:	Senior Full Stack Developer Mobile Developer
Responsibilities:	<ul style="list-style-type: none">Built Udemy style learning hub (courses, notes, progress, comments) used by 5k+ learners; average session length +27 %;Rolled out custom referral engine (SolanaPay & Wise payouts) powering 15 % MoM growth without third-party SaaS fees.Delivered responsive Web + React Native apps incl. dark-mode system & crypto-price charting (3 rewrites → 60 FPS UI);Improved Lighthouse Performance score from 42 → 92 by Next.js optimization (SSR caching, image & font loading).
Project Team Size:	5-8 team members
Tools & Technologies:	React Native, React, Django, Next.js, AWS, PostgreSQL, Docker.
Auction Application	
Project Description:	The SaaS application for auction companies, software customized for different clients. An active and promising start-up, which won several start-up cups.
Domains:	E-commerce
Involvement Duration:	1 year
Project Role:	Full Stack Developer
Responsibilities:	<ul style="list-style-type: none">Delivered 30+ custom PDF report generators adopted by 50+ enterprise clients, automating audit-grade exports and strengthening account retention.;Implemented Vue-based dashboard & data-tables; reduced page load 1.8 s → 0.7 s.
Project Team Size:	15-20 team members
Tools & Technologies:	Django, Vue.js, DRF, MongoDB, Docker, PostgreSQL, MySQL.
Chat Contact Center	
Project Description:	A microservices-based chat platform connecting builders, customers, and companies. Enables structured conversations via templates, multi-channel management, and integration with the GC marketplace for goods and services.
Domains:	Software and Hi-Tech Communication
Involvement Duration:	1 year
Project Role:	Full Stack Developer
Responsibilities:	<ul style="list-style-type: none">Re-architected chat backend: unified Twilio integration behind a WebSocket relay, slashing duplicate code by 40 % and cutting chat-related incident tickets by half.;Extended automated test suite to 150+ pytest cases covering the vast majority of SLA-critical flows; enabled weekly releases with <1 % rollback rate;Product support and documentation, maintenance, refactoring, writing tests, etc.
Project Team Size:	9-11 team members
Tools & Technologies:	Flask, React, PostgreSQL, MongoDB, SQLAlchemy, Pytest, Redux, Docker.

Certificates	Machine Learning Advanced Hillel IT school, Odesa	
	Python Advanced Hillel IT school, Odesa	

AWS Certified Cloud Practitioner
AWS



Education

Master's degree

Kherson National technical university, Kherson
Micro- and nano-system technology

Master's degree

Kherson National technical university, Kherson
Biomedical Engineering

Languages

English: Fluent

Ukrainian: Native

Russian: Native