

Serhii S.

Senior Senior Backend / Full Stack Developer

SUMMARY

- 5.5+ years engineering high-load B2B/B2C platforms in AdTech, fintech, blockchain, and real-time communications, specializing in backend and full stack development.
- Expertise in Python, JavaScript/TypeScript, Django, React, PostgreSQL, Redis, Docker, AWS, and Azure, with proven impact: 109k query reduction, 92% latency cut, and 60 FPS UI performance.
- Skilled in SDLC ownership, architectural refactoring, multi-tenant SSO, microservices, and CI/CD pipelines using GitHub Actions.

TECHNICAL SKILLS

Main Technical Skills	Python (5 yr.), JavaScript (3 yr.), TypeScript, Django REST framework (5 yr.), React (2 yr.)
Programming Languages	JavaScript (3 yr.), Python (5 yr.), TypeScript
Python Frameworks	Django REST framework (5 yr.), FastAPI, Flask (1 yr.)
JavaScript Frameworks	Ext JS (2 yr.), React (2 yr.), Vue.js (1 yr.)
AI & Machine Learning	LangChain (1 yr.), PandasAI (1 yr.)
Python Libraries and Tools	pytest (1 yr.)
JavaScript Libraries and Tools	React Native (2 yr.), Redux-Saga (2 yr.)
Data Analysis and Visualization Technologies	PandasAI (1 yr.)
Databases & Management Systems / ORM	MongoDB (2 yr.), MySQL (1 yr.), Redis, SQLAlchemy (1 yr.), TimescaleDB
UI Frameworks, Libraries, and Browsers	CSS, HTML, LESS, SASS
Cloud Platforms, Services & Computing	Azure (1 yr.)
Azure Cloud Services	AAD (1 yr.)
Deployment, CI/CD & Administration	Active Directory
Message/Queue/Task Brokers	Celery (1 yr.)



SDK / API and Integrations	FastAPI, Twilio (1 yr.)
UI/UX/Wireframing	Figma
Version Control	Github Actions
QA, Test Automation, Security	pytest (1 yr.)
Other Technical Skills	AD

WORK EXPERIENCE

Senior Backend Developer & AI Engineer (Ad-Booking & Analytics Platform for UK Sports Clubs)

Duration: 1.5 year

Summary:

- Platform automates the end-to-end processes of a retail media network, from inventory management through to invoicing
- It serves the AdTech domain by providing analytics and booking solutions for UK sports clubs

Responsibilities:

- Built an internal RAG assistant (LangChain + PostgreSQL/pgvector) for semantic search over Confluence documentation, reducing internal support load.
- Engineered a football analytics engine that processed millions of rows via CSV; eliminated 109k redundant DB queries per media order, slashing calculation latency by 92% (from 600s to <40s).
- Designed multi-tenant SSO supporting Azure AD and Okta, later migrating to AWS Cognito with automated provider onboarding and role synchronization.
- Built XLSX bulk-import framework supporting 10k+ rows per upload with validation and background processing.
- Modularized legacy backend by introducing Repository and Service layers, removing 8k-line views and cutting N+1 queries by ~90%.

Technologies: Django, Django REST Framework, LangChain, PostgreSQL, pgvector, Celery, Pandas, AWS, Azure AD, Docker

Senior Full Stack Developer | Mobile Developer (Blockchain web and mobile application)

Duration: 2 years

Summary:

- 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 in the Blockchain and Education domains



Responsibilities:

- 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 including dark-mode system & crypto-price charting (3 rewrites → 60 FPS UI).
- Improved Lighthouse Performance score from 42 to 92 by Next.js optimization (SSR caching, image & font loading).

Technologies: React Native, React, Django, Next.js, AWS, PostgreSQL, Docker

Full Stack Developer (Auction Application)

Duration: 1 year

Summary:

- The SaaS application for auction companies, software customized for different clients
- An active and promising start-up, which won several start-up cups, operating in the E-commerce domain

Responsibilities:

- 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 time from 1.8 s to 0.7 s.

Technologies: Django, Vue.js, DRF, MongoDB, Docker, PostgreSQL, MySQL

Full Stack Developer (Chat Contact Center)

Duration: 1 year

Summary:

- 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 in the Software and Hi-Tech Communication domain

Responsibilities:

- 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 less than 1% rollback rate.
- Product support and documentation, maintenance, refactoring, writing tests, etc.

Technologies: Flask, React, PostgreSQL, MongoDB, SQLAlchemy, Pytest, Redux, Docker

EDUCATION

- **Kherson National technical university, Kherson**
Master's degree in Micro- and nano-system technology



- **Kherson National technical university, Kherson**
Master's degree in Biomedical Engineering

CERTIFICATION

- **Machine Learning Advanced**
Hillel IT school, Odesa
- **Python Advanced**
Hillel IT school, Odesa
- **AWS Certified Cloud Practitioner**
AWS
- **AWS Certified Developer – Associate**
AWS

