

# Serhii Hrekov

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## Senior Python Developer

*Remote Worldwide*

*Born: 1991*

*Status: Single*

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## Summary

Experienced backend software engineer with a strong commitment to writing clean and maintainable code, following Agile methodologies. Demonstrates excellent working and self-discipline ethic with a background in remote work, aiming to contribute to interesting projects and continue professional growth.

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## Experience

nCube (Kiyv, Ukraine)

### Senior Software Engineer

*Modigie project (San Francisco, California, United States · Remote)*

*February 2025 – Present*

- building new services
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Waylight (Delaware, US. Remote)

### Back end software engineer

*Apr 2023 – Jan 2025 (full time)*

*Jan 2025 – Present (part time)*

- Specialize in backend development using AWS for educational technology solutions.
- Design and build high-performance APIs with FastAPI, Python 3, and asyncio.
- Implement strong authorization and authentication for secure APIs and user data.
- Use Jinja2 for dynamic content in email and Telegram notifications.
- Set up automated email notifications with Amazon SES for better user engagement.
- Proficient in Docker for streamlined application deployment.
- Manage AWS Lambda, CodeBuild, CodePipeline, CloudWatch, CloudFormation, and System Manager.
- Oversee RDS (PostgreSQL), Amazon SES, and Amazon SNS deployment and management.
- Led the transition from synchronous to asynchronous/threading code for improved scalability.
- Expert in creating and maintaining RESTful APIs for seamless communication.
- Develop and maintain Telegram bot functionality for interactive communication and automation.
- Integrate payment processors like Stripe and Fondy for secure transactions.
- Conduct manual testing with Postman to ensure robust and functional APIs.
- Integrate 3rd party API

- Integrate payment gateway protocols and APIs (Stripe, Fondy)
  - Create managed telegram services (Paid subscriptions, users management on top of telegram members, etc)
  - Create and integrate user notification systems via telegram, email, whatsapp.
  - Integrate db caching features
  - Optimized code with threading
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ProxiPago (Mexico, Mexico city. Remote)

### **Lead full stack software engineer (Fintech startup)**

*Apr 2022 – Jan 2025*

As lead developer, I independently handled the entire project from start to finish.

#### **Key Responsibilities and Achievements:**

- Led creation and management of cloud infrastructure on Google Cloud Platform (GCP).
- Designed and implemented algorithms for financial transactions.
- Developed APIs with Django Rest Framework for seamless communication.
- Integrated 3rd party bank APIs for transaction processing.
- Engineered user and client management resembling a CRM system.
- Modeled and implemented a scalable database schema on Google Cloud Spanner.
- Orchestrated requests to service providers and implemented robust response parsing.
- Implemented various functionalities, including logging, PDF report generation, and QR code handling.
- Utilized Git and GitHub for version control and collaborative development.
- Managed Linux VPS for smooth operations.
- Collaborated on the front-end using Django, Bootstrap, CSS, and JS.

#### **Tech Stack:**

- Backend: Django (front-end and back-end), Django Rest API
- Cloud Platform: Google Cloud Platform (Google App Engine, Cloud Spanner, Cloud Buckets, Cloud Scheduler)
- Infrastructure: Ubuntu VPS (cloud VM)
- Tools: Git, GitHub

This experience highlights my skills in cloud infrastructure, algorithm development, API design, and comprehensive application functionalities within the fintech domain, covering the entire development lifecycle.

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## Education

Odessa National Polytechnic University, Odessa

### **Master's degree, Information Technology**

*2008 – 2013*

I hold a master's degree in Information Technologies, an alumnus of Odesa Polytechnic National University. The Artificial Intelligence and Robotics Institute graduate (ONPU IKS), where I studied Computer Engineering and Specialised Computer Systems in Information Technologies and computer science fields.

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## Languages

Ukrainian

C1

English

B2

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## Interests

- startups
  - building saas
  - solo dev
  - indie hacking
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## Contacts

- Telegram: [t.me/serhiixxx](https://t.me/serhiixxx)
- LinkedIn: [linkedin.com/in/serhii-hrekov](https://linkedin.com/in/serhii-hrekov)