

# Vladyslav Kartavets

## Software Engineer

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## Summary

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I am a Software Engineer with more than 7 years of experience in backend development and cloud solutions. I specialize in building scalable systems using Python and AWS technologies, with a focus on event-driven architecture. Throughout my career, I've developed data processing systems, API integration layers, and implemented OCR/AI solutions across financial, healthcare, and cryptocurrency projects. I enjoy tackling complex technical challenges and continuously learning new technologies to create effective solutions. I combine strong design principles with hands-on coding to deliver reliable, production-ready applications. I have a strong work ethic. I speak English and Ukrainian fluently. <https://github.com/vlade11115>

## Work Experience

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### Senior Software Engineer

April 2025 - PRESENT

**GlobalLogic**

*Remote*

- Developing and maintaining an Identity and Access Management platform for healthcare enterprise.
- Authentication and authorization management built integrated with OIDC and SAML2 federated identity providers with Amazon Cognito.
- Policy enforcements layer based on Amazon Verified Permissions (AVP) service, protecting the APIs in unified fashion.

### Software Engineer

July 2020 - April 2025

**Staircase.co**

*Staircase is based in Philadelphia, with employees in over 20 countries.*

- Built DevOps infrastructure layer enabling teams to build, deploy, test, and distribute bundles across multiple AWS accounts.
- Developed transaction and connection system layers for seamless integration of third-party APIs into the Staircase platform.
- Created a graph-based persistence layer for secure, standardized data storage.
- Developed OCR solution to extract structured data from mortgage-related documents.
- Built AI Chat solution enabling customers to interact with AI agents to collect mortgage loan application data.
- Responsible for solution architecture, implementation, and live infrastructure monitoring.
- Technologies: Python, AWS Lambda, CloudFormation, API Gateway, Step Functions, CodeBuild, S3, DynamoDB, CloudFront, Cognito, Amazon Neptune, Infrastructure as Code (IaC), Event-driven architecture.

### Instructor

April 2022 - Sep 2023

**ithillel.ua**

*Remote Part Time*

- Taught Python Pro course covering backend development fundamentals.
- Instructed students on backend development, APIs, REST, and Git.
- Led hands-on training for building web applications using Django framework.
- Technologies: Django, Django Rest Framework (DRF), PostgreSQL, Docker, Celery, Memcached, Pytest.

### Software Engineer

June 2019 - July 2020

**YouDigital.io**

*Ukraine*

- Developed cryptocurrency transfer API: A unified backend wrapper around multiple cryptocurrency node APIs (Bitcoin, Ethereum, USDT) enabling seamless wallet transfers.
- Built real estate co-investment platform: Python/Flask API backend allowing small investors to participate in real estate investments.
- Self-hosted and managed cryptocurrency nodes.
- Implemented standardized interfaces for diverse cryptocurrency systems.
- Technologies: Golang, Python, Flask, PostgreSQL, Docker, Docker Compose.

**SooprIT***Kryvyi Rih, Ukraine*

- Developed care home workforce management system for Great Britain: An automatic schedule assignment and management system for healthcare workers in UK care homes.
- Implemented backend APIs for the healthcare scheduling system.
- Developed functionality for workforce management in the British healthcare sector.
- Supported care home operations through efficient staff scheduling solutions.
- Technologies: Django, Django Rest Framework, PostgreSQL, Docker, Docker Compose.

**Skills**

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- Languages: Python (proficient), Golang (basic knowledge), JavaScript/React (basic knowledge)
- AWS: Lambda, API Gateway, Step Functions, CloudFormation, CodeBuild, S3, DynamoDB, CloudFront, Cognito, Amazon Neptune, Amazon Verified Permissions (AVP)
- Infrastructure as Code (IaC), Event-driven architecture
- Web Frameworks: Django, Django Rest Framework (DRF), Flask
- Databases: PostgreSQL, DynamoDB, Amazon Neptune (graph database)
- Containerization: Docker, Docker Compose
- API Development: RESTful APIs, gRPC
- Identity management: OAuth2, OIDC, SAML2, Cognito
- Testing: Pytest
- Messaging/Caching: RabbitMQ, Redis, Celery, Memcached, SQS, SNS
- ORM: SQLAlchemy, Django ORM
- OCR/ML: Document data extraction, AI integration
- Cryptocurrency: Node management, wallet transfer systems

**Education**

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**Master of Software engineering**

Sep. 2019 - Dec. 2020

**Kryvyi Rih National University***Kryvyi Rih, Ukraine*

- Topic: Development of an automated system of planning and scheduling management for healthcare workers.

**Bachelor of Software engineering**

Sep. 2015 - June 2019

**Kryvyi Rih National University***Kryvyi Rih, Ukraine*

- Topic: Development of the system of planning and control of work of employees of enterprise.