Yauheni Kandratovich

Lead Software Engineer | Python · AWS · DevOps · AI | AWS & Claude Certified | EU-based
wiehr.job@gmail.com | Kosice, Slovakia | linkedin.com/in/wiehr

Lead engineer with 5+ years across Python, cloud infrastructure, and AI-assisted delivery. Built ML detection pipelines and ETL systems on AWS, cut a team's AWS spend by $100K/year, and led 10+ engineers from architecture to production.

WORK EXPERIENCE

Vention — Slovakia ■

Senior Software Engineer | Mar. 2022 — Present

- Led cross-functional team of 10+ engineers from architecture through production release
- Owned Terraform/Docker infrastructure for AWS (Lambda, S3, IAM, VPC), cutting deployment drift and downtime
- Reached 90%+ test coverage with Pytest, reducing regression incidents by 35%
- 40%+ faster delivery using AI-assisted tools (Claude, Windsurf, CodeRabbit); ran 5+ internal AI-adoption talks

Cogniteq — Belarus ■

Software Engineer | Feb. 2021 — Feb. 2022

- Owned full SDLC for production systems: development, testing, deployment, monitoring
- Automated AWS provisioning (Lambda, API Gateway, S3) with Terraform, cutting setup time 40%
- Built Python/Pandas ingestion pipelines and integrated 5+ third-party APIs for real-time data sync
- Designed a weighted-scoring therapist-matching algorithm; ensured GDPR-compliant handling of health data

SKILLS

Core Competencies: Python, Data Science, ML/AI, AWS, DevOps

Languages & Frameworks: Python, JavaScript, SQL, Bash, PowerShell, Django, Flask, FastAPI, Celery

AWS Cloud & Databases: Lambda, S3, VPC, Route53, CloudFormation, API Gateway, Athena, Glue, Redshift, SQS, SNS, ECS, ECR, EKS, IAM, CloudTrail, CloudWatch, Cognito, RDS Aurora, PostgreSQL, DynamoDB, MySQL, MongoDB, Redis

Machine Learning & Data Science: Pandas, NumPy, SciPy, Scikit-learn, SQLAlchemy, Apache Parquet

DevOps & Monitoring: Terraform, Kubernetes, Docker, GitLab CI/CD, Grafana, Prometheus, ELK Stack

AI & Other Tools: Claude AI, Windsurf, CodeRabbit, JIRA, Confluence, Git, Postman

PERSONAL PROJECTS

Wiehr (Website) | Jan. 2025 — Present | wiehr.cc ■

Interactive portfolio with custom WebGL 3D visualizations, section-based navigation, and Django CMS backend

Label Nisha (Website) | Jan. 2023 — Present | labelnisha.com ■

Music distribution platform for independent artists with release management, artist profiles, and content admin

Nisle (Chrome Extension) | Oct. 2025 — Present | Chrome Web Store ■

Chrome extension for employee clock-in/out with time logging and session tracking

Wanda (Chrome Extension) | Oct. 2024 — Present | Chrome Web Store ■

Chrome extension replacing the new tab with creative dashboard

Kvaterni (Telegram Bot) | Feb. 2022 — Mar. 2024

Telegram bot for party/event discovery with venue search, booking integration, and admin dashboard

COMMERCIAL PROJECTS

Railway Health & Safety Monitoring System (Software Engineer) | Mar. 2022 — Present

Railway health and safety monitoring platform with proprietary measurement systems, data visualization, and ML-based detection tools, processing measured data at scale for flaw detection, reporting, and shift summary compilation.

- Stack: Python, SQLAlchemy, Pandas, NumPy, SciPy, Scikit-learn, AWS (EC2, ECS, S3, RDS Aurora, DynamoDB, Athena, Glue, Step Functions, Lambda, SageMaker, CloudFormation, CodePipeline, CloudWatch), Apache Parquet, Pytest, ETL/ELT, GitLab CI, Docker, Terraform
- Owned all Terraform and Docker infrastructure: IAM, Lambda, ECS, Step Functions, and CI/CD pipelines
- Built ETL pipelines for proprietary binary formats using byte/bit-level parsing
- Reduced AWS spend by ~$100K/year through S3 lifecycle policies and infrastructure optimization
- Led cross-functional team of 10+ engineers from architecture through production release
- Achieved 80%+ test coverage with Pytest; established PEP 8 standards and shared IDE templates
- Earned 13 Claude AI certifications; delivered 10+ tech talks driving AI adoption team-wide

Car Parts E-Commerce Platform (Software Engineer) | Oct. 2021 — Mar. 2022

E-commerce platform for wheels, tires, and car accessories powered by Shopify, integrating third-party dealer APIs to manage a 5M+ product inventory with automated import/export.

- Stack: Python, Django, DRF, Celery, PostgreSQL, Pandas, NumPy, Shopify API, Pytest, AWS (EC2, CloudFront, S3, Lambda, API Gateway, SQS, SNS), Docker, Terraform
- Owned full system lifecycle: development, testing, deployment, and documentation
- Automated AWS infrastructure (Lambda, API Gateway, S3) provisioning with Terraform
- Engineered data pipeline processing CSV files with 20+ parameters via Pandas for background product sync

- Built API bridge between Shopify and third-party dealer systems, handling 5M+ product updates
- Designed workarounds for Shopify API rate limits and platform restrictions

Forestry Data Analytics Platform (Software Engineer) | Apr. 2022 — Mar. 2023

Data processing system for large-scale forestry datasets in CSV/Excel format, performing statistical analysis across dynamic fields and dependencies to generate precision reports.

- Stack: Python, Flask, Pandas, NumPy, PyPDF2, Selenium, PostgreSQL, Redis, AWS (Lambda, S3, Glue, Redshift), Terraform, Docker, Google Maps API
- Identified and resolved gaps in business requirements through direct stakeholder communication
- Delivered frontend reporting module with multi-format export and sorting capabilities
- Built Excel/CSV parsing engine with configurable parameters for automated report generation
- Developed data ranking and prioritization logic for efficient PostgreSQL imports

Event Management Platform (Software Engineer) | May 2021 — Sep. 2021

Platform for managing meetings, group sessions, polls, and surveys, with third-party API integrations for event data import/export.

- Stack: Python, Django, DRF, ReactJS, gRPC, Protobuf, AWS (EC2, DynamoDB, S3, ElastiCache, OpenSearch), Pytest, Docker
- Refactored legacy codebase to PEP-8 standards, removing dead code and improving maintainability
- Configured multi-environment DynamoDB setup (dev, staging, production)
- Contributed to full project lifecycle: requirements, prototyping, development, and documentation
- Integrated 5+ third-party APIs for event fetching, processing, and automated booking

Online Therapy Platform (Software Engineer) | Feb. 2021 — Apr. 2021

Therapist-matching platform with video/chat assessments via Agora.io and Stripe payment processing, built with GDPR-compliant handling of sensitive health data.

- Stack: Python, Django, DRF, Django Channels, Pytest, ReactJS, AWS (EC2, S3, RDS MySQL, CloudFront, Secrets Manager), Terraform, Docker, Agora.io, Stripe, WebSockets
- Deployed full-stack application on AWS: EC2, S3, RDS, CloudFront with SSL/Secrets management
- Improved performance through systematic code refactoring and module optimization
- Managed project timelines, milestones, and direct client communication
- Designed weighted-scoring matching algorithm across 5+ user/session parameters
- Integrated Stripe payments with statistical tracking and reporting

EDUCATION & CERTIFICATIONS

AWS Solutions Architect · Associate | Sep. 2023 — Present ■

AWS Cloud Practitioner | Aug. 2023 — Present ■

AWS Partner: Generative AI Essentials | 2025 — Present ■

Anthropic · Building with the Claude API | 2025 — Present ■

EF SET English · C2 Proficient | Mar. 2024 — Present ■

College of Engineering, Technology and Design | Sep. 2019 — Jul. 2022 ■

LANGUAGES

English: C2 Proficient · EF SET Certified

Russian: Native