Personal information

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Personal profile

I'm a software engineer with a strong background in backend development, cloud-native technologies, and performance optimization. With experience in C++, Python, Go, and Rust, I've worked on data-intensive applications, cloud infrastructure, and FinOps solutions. As an active member of the Ukrainian Rust community, I'm passionate about functional programming, Kubernetes, and cost-efficient cloud computing. Holding multiple Kubernetes and AWS certifications, I continuously explore new technologies to build scalable and resilient systems. Responsible, respectful, and a team player, I thrive on solving challenging tasks and continuously expanding my expertise.

Experience

- C++ Developer at Aldec (Aldec-KTC team) (July 2015 - November 2018):
    - Implemented lexical, syntax, and semantic analysis for VHDL, Verilog, and System Verilog.
    - Extracted and verified Finite State Machine structures from RTL design descriptions.
    - Developed linting rules for design static verification.
    - Enhanced verification framework (incremental compilation, dependency management, linting policies).
- Software Development Engineer at Materialise (January 2019 - July 2022)
    - Participated in licensing framework development, testing, and support.
    - Maintained and co-owned C++ libraries (filesystem, SAX - Simple API for XML).
    - Built and supported cloud deployment automation platform for a 3D model pre-print processing web application.
    - Designed and developed AWS-based eyewear web applications (US team collaboration).
- Software Engineer, freelance (Jan 2023 - Present)
    - Developed an online shop in NodeJS, integrating Stripe API for payments.
    - Built a desktop application using Rust (Tauri, SQLite).
    - Created a Telegram Bot with Python.
- Software Engineer at ProfiseaLabs (Apr 2022 - March 2025)
    - Developed, tested, and maintained a microservice-based web platform in Python and Go.
    - Designed and implemented FinOps tools for AWS and Azure (cost analysis, resource scheduling, waste management, rightsizing).
    - Developed Kubernetes cost optimization tools.
- Software Engineer at LevMinds (May 2025 - Present)
    - Participated in the observability setup development for on-premises Kubernetes cloud

Skills

Programming Languages & Frameworks:

- **Python** (Django, Flask, FastAPI, NumPy, Pandas, Matplotlib)
- **Rust** (async/await, Tokio, Actix-web, Axum, SQLx)
- **Go**
- **C++** (C++11/14/17, Boost, Qt)
- **JavaScript** (NodeJS, React Native)

Cloud & DevOps:

- AWS (Lambda, EC2, S3, EKS), Google Cloud, Azure, Digital Ocean
- Kubernetes, Terraform
- FinOps, Cost Optimization, Infrastructure as Code

Databases:

- SQL (PostgreSQL, SQLite, MySQL)
- NoSQL (MongoDB, DynamoDB, Neo4j, Memcached)

Other Technical Expertise:

- Concurrent and parallel programming, networking
- Git, Subversion, various IDEs (Visual Studio, Eclipse, PyCharm)
- Hardware Description Languages (HDL): VHDL, Verilog, System Verilog
- Blockchain: Solana (Anchor, Solana Actions)

Languages

- Ukrainian - Native proficiency
- English - Advanced - C1
- Russian - Native or Bilingual proficiency

Education

- Master's degree in "Computer Science" (September 2023 - May 2025) at Donbas State Engineering Academy
- Master's degree in "Specialized Computer Systems" (September 2017 - January 2019) at Kharkiv National University of Radioelectronics
- Bachelor's degree in "Computer Engineering" (September 2013 - June 2017) at Kharkiv National University of Radioelectronics

Certifications

- AWS Certified Solutions Architect - Professional. May 25, 2025, Q0DTG7VJHJQ4QXWW
- Certified Kubernetes Security Specialist (CKS). December 2024, LF-0sd2id35zf
- Certified Kubernetes Administrator (CKA). October 2024, LF-nliq1ja5kc
- Certified Kubernetes Application Developer (CKAD). June 2022, LF-rgkasgrrcw
- Kubernetes Cloud Native Associate (KCNA). January 2025, LF-qdh7ak9jr7
- Certified GitOps Associate (CGOA). June 2025 LF12iwltkkdm

Additional education

- School of Solana: Season 5 by Ackee Security
- 6.86x: Machine Learning with Python-From Linear Models to Deep Learning 47af6a170c4a455793a80e120d30ba5f
- 6.431x: Probability - The Science of Uncertainty and Data. 6765e936074f431a97a016aade5b40c0
- Google IT Support Professional Certificate (Coursera, by Google)
- Machine Learning (Coursera, by Andrew Ng), June 25, 2017