

KHRUL SERGEI

SENIOR BACKEND DEVELOPER & RESEARCHER

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ABOUT

Hi! I am a developer with over 18 years of experience in data processing, seeking a challenging position to apply expertise in architecting and implementing cutting-edge solutions for engineering challenges. My strong business acumen enables optimized project workflows and the delivery of exceptional products.

PROFESSIONAL EXPERIENCE

Crypto Lead Developer, Firmshift B.V (EU)

2022 - 2025

- Architected and built complex scalable systems within the cryptocurrency, Web3, and related domains, with focus on innovative solutions.
- Enhanced protocol to support gas fee payments in 3 additional destination chains during cross-chain swaps.
- Developed mechanism for acquisition of financial and analytical data from over 20 sources.

Lead Full Stack Developer, Bergmann InfoTech (EU)

2020 - 2022

- Built over 10 digital distributed platforms ranging from video analytics to finance.
- Prepared interactive stand at the 'Expo 2020' international conference, that recorded 50,000 user interactions.
- Achieved a 60% increase in data search speed from multiple Data sources.

Technical manager, Group of companies "Nsign" (RU)

2017-2020

- Successfully guided the development of diverse platforms, frequently contributing to significant project wins, contract expansions, and efficiency workers improvements.
- Recruited over 20 developers by upscaling the hiring process and effectively oversaw a team of 25 employees.
- Secured contracts exceeding \$10 million in net value for the company.

Software Engineer / Team Lead, HUGHES Satellite Monitoring Center (US, RU)

2010 - 2017

- Improved efficiency and accuracy in government services, using modern technologies and algorithmic solutions.
- Boosted accuracy up to 50% by adapting inertial-based location algorithm with optimized performance on ARM.
- Improved estimation of fire radius by 35%.

Software Engineer / Content, Private Companies (RU)

2003 – 2004, 2008 - 2010

- A 30% increase in monthly revenue was achieved through the integration of new web portal features.

EDUCATION

• TPU University (RU), Post-Graduate in Computer Engineering
Degree topic: Satellite monitoring system for autonomous transport

2014

• TSU University (RU), Master's degree in Applied Mathematics
Economist-mathematician

2010

SKILLS & OTHER

- Programming: Java, GoLang, C#, React/Angular JavaScript, Solidity;
- Message Brokers: Kafka, RedPanda, RabbitMQ, AWS SQS
- DBMS: PostgreSQL, ClickHouse, MongoDB, MS SQL, MySQL.
- CI/CD: AWS Ecosystem + Terraform, Docker + Kubernetes, CloudFlare, Jenkins.

ACHIEVEMENTS & CERTIFICATIONS

- Won personal state R&D grant for 2 years
- 17 publications in Europe and russian journals
- Blockchain Fundamentals by ChainLink
- Solidity Smart Contract Guide by BitDegree
- Advanced Solidity by cryptozombies.io
- Learn Solidity with Space Doggo by BitDegree
- Java "The basis" by Stepik.Org
- Artificial Intelligence for Robotics by Udacity
- Self-Driving Car Engineer Nanodegree by Udacity