Sergey Gritsyuk

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Experienced Software Engineer and Tech Lead with over 15 years of expertise in designing and implementing distributed systems, data-driven solutions, and machine learning applications. Skilled at leading international teams to deliver scalable, innovative solutions, with hands-on experience in startups.

Key Achievements

- Led the development of distributed esports tournament platform used by over 12 million Sony PlayStation users, focusing on system performance and reliability.

- Designed and implemented an AI-powered financial news analysis platform prototype for business data and secured seed funding for Fintech startup.

- Led the development of decision-support system for risk management and environmental projects used in prestigious universities, including Harvard and UBC.

- Led the development of custom app store for Sony Ericsson company pre-installed on hundreds of thousands Android devices.

Experience

ESL FACEIT Group	Dubai, UAE
Tech lead, Senior software engineer	2021.02 – 2024.12

Led a team of software engineers who developed a microservice distributed tournament platform for global organizer of esports competitions in the world. This tournament platform serviced all PlayStation based online tournaments conducted by SONY company (12+ million users).

Scala, Go, Cats, Finagle, Thrift, PostgreSQL, Python, AWS, Terraform, Scrum, TypeScript, React.js

Independent Consultant	Europe
Software architect, AI Engineer	2020.03 – 2021.02

Conducted research and developed an ML algorithm to compare users behavior for usability analysis platform Senso / Fabuza.

Provided consultancy on core software architecture and decision analysis methods for the DecernsMCDA. This software was used for tackling real-world risk management, environmental protection problems and as an educational tool in numerous prestigious universities worldwide, including Harvard School of Public Health, University of British Columbia, Auckland University, etc.

Python, Pandas, LLM, Data visualisation, Azure, Java

Fintech startup	Helsinki, Finland
CTO, Software architect, Lead AI Engineer	2016.01 – 2020.03

Designed and engineered the MVP and established the core architecture for a financial news analysis startup, facilitating the successful seed investment round from Tekes fund, Finland. The system processed streaming text content using advanced deep learning models to extract commercial insights from news, social media, etc.

Scala, Python, Spark, Kafka, Finagle, Akka, HBase, Solr, Cloudera, JavaScript, React.js

School of Business, Aalto university	Helsinki, Finland
Postdoc researcher, Lead AI Engineer, Senior fullstack engineer	2013.10 – 2016.01

Designed a distributed architecture and implemented a prototype of artificial intelligence model for forest management. By modeling the forest growth process, the system enabled predictions to maximize profitability across forest areas in Finland.

Developed a prototype of corn market prediction model (return, interest, etc.) for American global food corporation Cargill.

Python, Pandas, XGBoost, Keras, TensorFlow, PyTorch, LSTM, CUDA, HPC, Slurm, Scala, AMPL

CodingAndroid   Obninsk, Russia
Engineering manager, Software developer   2008.09 – 2013.10

Co-founded outsourcing company and actively contributed to its management and the development of Android projects. In partnership with Sony Ericsson have created a store application, pre-installed on all Sony Ericsson Android phones sold in Russia. Application enabled users to download and purchase applications and music.

The company's own project, Beetaun, was recognized as one of the Top 50 world finalists in Google Android Developer Challenge I in 2008.

Java, Kotlin, Android SDK, LibGDX, PHP, CodeIgniter, Symfony, MySQL

Skills

Go	go-chi, mongo-driver, amqp091-go, html/template
Python	Pandas, NumPy, FastAPI, Requests, Gunicorn, Selenium, BeautifulSoup
Scala / Java	Finagle, Cats, Akka, Doobie, Thrift, Play framework
TypeScript	Material UI, React.js, jQuery
AI / ML	LLMs, XGBoost, NLTK, Scikit-learn, Keras, Pytorch, LSTM
Web3	ccxt, Solana
Big Data	Apache Spark, Apache Solr, Cloudera Platform, HPC, Slurm
SQL / NoSQL	PostgreSQL, MySQL, HBase, MongoDB, Redis
Messaging	RabbitMQ, Apache Kafka
Cloud	AWS, Kubernetes, Terraform, Prometheus, Rancher, Azure

GitLab, CI / CD, JIRA, Scrum, Confluence, Git, Mercurial, MacOS, Ubuntu, CentOS

Education

National Research Nuclear University MEPHI   Moscow, Russia
PhD in decision analysis and machine learning   2007 – 2011

Architected and led the development of the decision support module and the core decision analysis library for the spatial decision support system Decerns.

Led the development of the decision analysis toolkit for dredge material management in the USA.

Open World leadership center   Washington, D.C., USA
Nonproliferation leadership program graduate   2008.08

Technical University for Nuclear Power Engineering (INPE)   Obninsk, Russia
Engineer of Information systems and technologies, with honors   2002 – 2007