



# Vyacheslav Lukin

Male, 38 years, born on 28 March 1984

+44 (7537) 144636 — Mobile number

[slava@edgevision.pro](mailto:slava@edgevision.pro) — preferred means of communication

LinkedIn: <http://www.linkedin.com/in/vyacheslav-lukin>

Reside in: London, Great Britain

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## Technological entrepreneur

### Work experience —16 years 8 months

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February 2022 —  
till now  
1 year

#### Edge Vision LTD

Great Britain, [edgevision.pro](http://edgevision.pro)

IT, Software Engineering, Machine Learning

- Software Development

#### Founder and CEO

We help road authorities reduce congestion via retrofitting existing traffic lights with edgeAI and real-time traffic data.

Key achievements:

- Shortlisted start-up for ITS Future at ITS World Congress 2022
- Finalist of Leading Cities AcceliCity accelerator
- Finalist of the International Road Federation Start-up label challenge
- Semi-finalist of the ZenZic accelerator 2022
- SETsquare Scale-up accelerator member
- London Business Hub member

September 2019 —  
January 2023  
3 years 5 months

#### INVIAN

Russia, [invian.ru](http://invian.ru)

#### General Manager

As a General Manager I was involved in many aspects of the company's life from HR and establishing company culture, to project management and product architecture design and requirements engineering. I've built company from 0 to 1 with annual revenue \$500,000 in 2022.

Key achievements:

- Successful pilot project with Moscow Transport Management Centre. (Adaptive traffic light management for two connected intersections based on real-time traffic data collected on the intersections with computer vision technology. Integration with Automated Traffic Management System).
- Upgrade of more than 100 intersections in Krasnodar region to work in local adaptive mode based on edgeAI software (computer vision).
- Our software works on 1000+ cameras on highways and helps collect actual transport flow data, identify severe road conditions like snow and notify if accidents happen on the road (e.g., stopped vehicle).

August 2019 —  
December 2022  
3 years 5 months

#### Innopolis University

[innopolis.university/en/](http://innopolis.university/en/)

## Teaching assistant / Senior instructor

As a teaching assistant, I help the professor with assignment preparation, grading, recitation sessions, etc. I was mostly involved in core courses of the MSIT-SE programme: Management of software development and Analysis of software artefacts.

September 2016 —  
August 2019  
3 years

### **Innosoft**

Russia, [innosoft.pro](http://innosoft.pro)

#### Team leader / Project manager

My team is involved in the development of the software solution for Information Transport System.

As a team leader and project manager, my responsibilities are:

- \* Plan project roadmap for each stage (3-4 months)
- \* Plan iteration backlog within the team(2 weeks)
- \* Conduct customer meetings and product demonstrations
- \* Track team performance and compliance to the process

Due to small team size, I also share roles as a developer, quality assurance engineer, tester, devops, etc...

- \* Gathering requirements for product functionality, quality and business domain
- \* Architecture creation and tracking during project progress to be compliant with produced code (and vice versa)
- \* Installation and configuration of CI and environments (development, testing, production)
- \* Writing code
- \* Unit, integration, and system level testing. Quality attributes testing as well.

Technology stack: Python + Flask / PostgreSQL / Mongo / Docker / OpenCV / JavaScript / React

CI with automated daily builds and deployment to pre-production and production environments.

We have been building our process from scratch since the establishment of the company. Already successfully completed 2 stages of the product development.

We build our process based on Disciplined Agile Delivery and with the goal to be compliant to CMMI level 3 maturity model.

August 2015 —  
August 2016  
1 year 1 month

### **Innopolis University**

Republic of Tatarstan, [university.innopolis.ru](http://university.innopolis.ru)

#### Master's student

Obtained theoretical knowledge and practical experience in Software Engineering areas. The licensed program of MSIT-SE Carnegie Mellon University.

- \* Requirements engineering
- \* Software Development Life Cycle
- \* Project management
- \* Software Architecture design and analysis
- \* Management of customer expectations
- \* Software Quality Assurance and verification

Intensive program with an average workload of 55 hours per week helped me to improve my time management skills. Various group projects with the different team along the course and capstone project provided an opportunity to improve communication as well as presentation skills. I have improved my teamwork skills in small teams (up to 5 people) and management of such teams as well.

Successfully completed 2-semester long industrial project for Visiology company within the team

of four people. The application is a web-based interface for creation of multidimensional OLAP DWH configuration that is used by Mondrian to create structure in PostgreSQL database.  
Technology stack: Python + Django + JavaScript

August 2013 —  
August 2015  
2 years 1 month

## **NVision Group**

Moscow, [www.nvg.ru](http://www.nvg.ru)

IT, System Integration, Internet

- System Integration, Technological and Business Processes Automation, IT Consulting

### **Senior engineer of mobile networks support**

Responsibilities:

- \* Technical support, day-to-day troubleshooting and configuration of Tekelec PIC;
- \* Site survey and planning of systems expansion;
- \* Participation and supervision of new equipment installation and commissioning;
- \* Perform systems audit and performance monitoring;
- \* Communication with customer for efficient problems resolution;
- \* Analysis and troubleshooting of issues related to Linux, ORACLE, IDB.

Achievements:

- Successfully and in time completed several expansion projects;

December 2012 —  
August 2013  
9 months

## **Huawei Technologies Co., Ltd.**

Novosibirsk, [www.huawei.com](http://www.huawei.com)

### **TAC Wireless Core Network Senior engineer**

Responsibilities:

- \* Tier-2 technical support of Huawei equipment: MSC, MGW, HLR, HSS.
- \* On-site engineering activity: servers installation and commissioning, equipment expansion, replacement, etc.
- \* On-site and remote software upgrade.
- \* Communicating with customers for effective and efficient service requests resolution.
- \* Communicating with R&D in order to provide best customer experience and on-time issue resolution.

Achievements:

- Successful replacement of iGWB(billing) servers of MSC on live network.
- Successfully handled various software upgrades (MGW, HLR) and critical issues on customer networks.
- No SLA were breached.

July 2011 —  
December 2012  
1 year 6 months

## **OJSC MegaFon**

Novosibirsk, [sib.megafon.ru](http://sib.megafon.ru)

### **Lead Core Network engineer**

Responsibilities:

- \* Maintenance and configuration of Core Network equipment(HLR, STP, HSS, MSC);
- \* Tekelec IAS/PIC maintenance and configuration;
- \* Development of services KPI and KQI;
- \* Successful development of software for optimization of routine tasks (C/C++, Windows/Linux shell, Python);
- \* Installation, configuration and maintenance of Huawei ngHLR/HSS (ATCA hardware).
- \* Mobile networks(SS7, SIGTRAN) and IP networks troubleshooting. Day to day troubleshooting of subscribers technical issues.
- \* Communication with SIM-cards manufacturers for confirmation cards parameters, security algorithms, and ciphering keys. Perform SIM-cards tests/approval for commercial orders;
- \* Preventive maintenance and supervision of Linux servers;
- \* Consulting other departments on technical questions related to mobile Core Network;

Achievements:

- Successfully and in time launched HSS of first in Russia commercial 4G(LTE) network;
- Without downtime, successfully relocated from one site to another one Node of Tekelec STP;
- As a player of a 2 people team successfully completed project of ngHLR installation, configuration and commercial launch. Completed successful, smooth migration to ngHLR without service interruption;
- Developed and integrated software solution of scheduled HLR database export to external server.

Publications:

LTE — Circuit Switch FallBack (<https://habrahabr.ru/company/megafon/blog/156051/>)

January 2010 —  
December 2011  
2 years

## freelance

Novosibirsk

### Freelance Linux server administrator

Successful installation & configuration of Linux based server for small office:

- Software RAID + Logical volumes(LVM);
- DNS(Bind) & DHCP-server, web-server(Apach);
- Mail-server based on POSTFIX + MySQL;
- Firewall, NAT, Samba, FTP-server;

February 2008 —  
July 2011  
3 years 6 months

## OJSC MegaFon

sib.megafon.ru

### Core Network engineer

Responsibilities:

- \* Maintenance of Huawei MSC, MGW and Tekelec STP equipment;
- \* Tekelec IAS/PIC maintenance and configuration;

Achievements:

- The project of Tekelec IAS/PIC installation was successfully completed under my supervision and direct participation.

June 2006 —  
February 2008  
1 year 9 months

## THE SEVER PRODUCTION ASSOCIATION FSUE

Novosibirsk, [www.posever.ru/](http://www.posever.ru/)

### Design engineer

Responsibilities:

- \* Specifications, schematic development, soldering of PCB, prototype device testing.
- \* Development of embedded AVR micro-controller based systems.

Achievements:

- Successfully developed, tested and prototyped seismic positioning system;

## Education

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### Higher

2016

#### Innopolis University

Software engineering, Master of Science in Information Technology

2006

#### Novosibirsk State Technical University

Communication Facilities with Mobile Objects, Telecommunications

## Professional development, courses

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2015

### Artificial Intelligence Planning

Coursera, Artificial Intelligence, Robotics

- 2015 **Autonomous Navigation for Flying Robots**  
Verified Certificate of Technische Universität München through edX, Artificial Intelligence, Robotics
- 2014 **Introduction to Data Science (with distinction)**  
Coursera, Data Science
- 2014 **Core Concepts in Data Analysis**  
Coursera, Data analysis
- 2014 **Control of Mobile Robots**  
Coursera, Robotics, artificial intelligence
- 2013 **Developing Innovative Ideas for New Companies: The First Step in Entrepreneurship**  
Coursera, Entrepreneurship
- 2012 **Learn to Program: The Fundamentals**  
Coursera, Computer programming using Python
- 2012 **Machine Learning**  
Coursera, Artificial Intelligence

## Key skills

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- Languages Russian — Native  
English — C2 — Proficiency
- Skills Telecommunications Troubleshooting Python Learning & Development Linux SQL  
Software Engineering Project management English Git Wireshark Presentation skills  
Analytical skills Agile Project Management Product Management Teamwork

## Additional information

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- About me I'm a tech savvy positive thinker with a good sense of humor. I like to learn everything new, therefore I like to travel, especially with my family. In rare free minutes, I like to play the guitar.