Konstantin Dorichev

Data Science Enthusiast
with 13 years experience in Telecom and 8 years in IT

Saint Petersburg, Russia
☏ +7 911 942-4560
✉ kdorichev@gmail.com
🖥 medium.com/@kdorichev
in konstantindorichev
◉ kdorichev
🐦 kdorichev

Executive Summary

I am an actively learning Data Science enthusiast with extensive experience developing solutions for Mobile and Fixed Networks Operators, often commended for extreme teachability and strong analytical skills; attentive to details, with good people and soft skills and proper professional ethics.

Experience

2019–present **Contributing to the Open Source Deep Neural Network library development**, *FastAI*.

2019 **Projects and Articles**.
- Malaria Cells Image Classification with Residual Neural Network;
- Edge Detection on static images and video stream with OpenCV and Matlab;
- Image classification web app, hosted on AWS;
- BigQuery and Public Datasets. Overview for Data Analysts.

Other Experience

2011–2017 **Experienced Solutions Architect**, *Packet Core and GPON*, Ericsson, Moscow and Saint Petersburg.
Responsibilities:
- BUSINESS DEVELOPMENT: Discovering new business opportunities by helping Mobile and Fixed Networks Operators discern their needs and achieve their business goals with products and services we offered — 4G Radio, Evolved Packet Core;
- SOLUTIONS DEVELOPMENT: Bids/offers preparation, clarification of requirements of the customers, processing and structuring input data to ensure the solution fits the expectations;
- PROJECT MANAGEMENT Organizing, coordinating and leading the team of various specialists;
- MARKETING SUPPORT AND CONSULTANCY: Developing datasheets, white-papers and technical presentations.

Achievements:
- Signed a $3M multi-year contract with Mobicom — a leading Mobile Network Operator in Mongolia covering network development, HW & SW upgrade and support;
- Supported sales of GPON HW & SW to Rostelecom;
- Performed successful technical tests and trials for Megafon, MGTS.

2004–2011 **Pre-sales, Integration and Technical Support Engineer**, *IN Networks, Access Networks, GPON*, Alcatel-Lucent, Moscow.
Responsibilities:
- SOLUTIONS DEVELOPMENT, IMPLEMENTATION AND DELIVERY: both technical and financial offers preparation
- CONSULTANCY for operators in optimizing quality of xDSL networks, comprehensive network analysis and troubleshooting
- INSTALLATION, INTEGRATION & TROUBLESHOOTING of various systems for Rostelecom, MTS.

Achievements:
- Performed network modernization, new services introduction and technical support for leading mobile and fixed networks operators in Russia: Rostelecom, MTS;
- Performed product trainings for Kazakhtelecom — a leading fixed operator in Kazahstan that led to $500k SW upsale.

2001–2004 **Systems Administrator**, *EPIC Advisors (Russia) Ltd.*, Moscow.
Achievements:
- Modernized office IT-infrastructure based on Linux and MS Windows servers & hosts, installed PABX.
- Relocated office and rebuilt IT-infrastructure in new premices without services interruption.

1996–2001 **Software developer**, *Ministry of Defence*, Moscow.
Achievements:
- Developed an application which improved quality of data gathered in real time, analysis and reporting in a multi-node network environment, C/C++. Still in production.

Education

1991–1996	**Math & Computer Science**, *Space Military Academy*, MS, with golden medal, Saint-Petersburg.
1987–1991	**Telecom Engineering**, *Telecommunications school*, BE, with honors, Smolensk.

Deep Learning & Data Science Specialization

2019–present	**Practical Deep Learning for Coders**, *fast.ai*.
2019–present	**Introduction to Computer Vision**, *Georgia Tech University*, Udacity.
2019	**Deep Learning Specialization**, *Neural Networks and Deep Learning; Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization; Structuring Machine Learning Projects; Convolutional Neural Networks; Sequence Models*, DeepLearning.ai, Certificates, Coursera.
2018	**Applied Data Science with Python Specialization**, *Introduction to Data Science; Applied Plotting, Charting & Data Representation; Applied Machine Learning; Applied Text Mining; Applied Social Network Analysis*, University of Michigan, Certificates, Coursera.
2016	**Python for Everybody Specialization**, *Getting Started with Python; Python Data Structures; Using Databases with Python; Using Python to Access Web Data*, University of Michigan, Coursera.

Other

2014	**Software Defined Networking**, *Georgia Inst. of Technology*, Coursera.
2011	**Mastering Requirements**, *Alcatel-Lucent University*, Training.
2009	**Getting Things Done**, *Decisiveness and Problem solving for Bid Managers*, Tiba, Training.
2001	**Information Security**, *British Council*, Diploma, Saint Petersburg.

Computer skills

Languages:	Python, SQL, Regexp, C/C++	Visualization:	Matplotlib, Seaborn
Tools:	Fastai, PyTorch, TensorFlow, Pandas, NumPy, Scikit-Learn	DevOps:	Linux, Git, PyTest, AWS, GCP

Skills

Analysis	Advanced	*Ability to gather, process & visualize data*
Presentation	Advanced	*Ability to present the message in a clear and concise way*
Communication	Advanced	*Ability to listen, ask questions, inspire vision and motivate the team with words and own example*
English	Fluent	*I catch myself thinking in English, reading more books in English than in Russian*
Teaching	Advanced	*Ability to independently learn new things & pass on gained competence*