ALEKSANDR FEDCHENKO

PROFILE

I'm 30 years old. I have an experience in web application design (microsevice, serverless and monolithic architectures), back-end and embedded software development, DevOps and system administration. I carried out researches in the field of control theory (satellite power supplies and UAV) and published multiple articles and patents. I have good communication skills and held several senior positions. Currently I'm interested in highload and ML projects that can give me an opportunity to acquire new professional competencies and to work with talented people.

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🌐 alekfed.com

📍 Moscow, RU

EXPERIENCE

B2Basket.ru   📍 Moscow, RU
LEAD SOFTWARE ENGINEER   Sep 2019 - Nov 2020

- Design of E-commerce marketplace integration platform
- Cloud infrastructure deployment and service administration
- Development of marketplace and pricing platform modules
- Research activity (ML-algorithms for data matching services)
- IT department planning and management

`Python` `Go` `FastAPI` `PyTorch` `PostgreSQL` `Mongo` `RabbitMQ` `Kubernetes` `Terraform` `Linux`

NPP Strela (НПП Стрела)   📍 Zhukovsky, RU
SENIOR SOFTWARE ENGINEER   Feb 2018 - Sep 2019

- Development of UAV diagnostics software and real-time operating system
- Design of ground control station software
- UAV mathematical model derivation and digital filters calculation
- Research and synthesis of control systems (H∞ and adaptive ML controllers)
- Development department management

`Python` `C++` `Flask` `Keras` `MySQL` `Mongo` `React` `Linux` `KiCad`

Autonomous Energetics (Автономная Энергетика)   📍 Krasnoyarsk, RU
RESEARCH ENGINEER   Feb 2011 - Feb 2018

- Design of electronic load embedded software
- Development of power supply test stand interface
- Research activity (charge-discharge devices for spacecraft battery testing)
- Analysis and synthesis of control systems for switched-mode power supplies
- Circuit design and test stand assembling

`Python` `C++` `pandas` `Django` `SQLite` `Qt` `Linux` `FreeRTOS` `Altium`

EDUCATION

MSc in Electrical Engineering (Motion Control Systems and Navigation)
Reshetnev Siberian State University of Science and Technology
Sep 2015 - Jul 2017

Specialist Degree in Electrical Engineering (Aircraft Control Systems)
Siberian State Aerospace University
Sep 2008 - Jul 2014

SKILLS

Languages: Python, Go, JS/TS, SQL, Bash, C++, Common Lisp
Frameworks: Django, FastAPI, Fiber, Apollo, Flask, Keras, React
DB & MQ: PostgreSQL, MySQL, MongoDB, Redis, RabbitMQ
DevOps: Kubernetes, Helm, Nix, GitLab CI, Ansible, Terraform
Other: LaTeX, Inkscape, KiCad, Emacs

LANGUAGES

Russian	Native
English	C1
Japanese	N5

PATENTS

RU153595U1

RU154432U1

RU153595U1

INTERESTS

Movies	Mathematics
Music	Cooking
Design	Tennis