

ALEKSANDR FEDCHENKO

PROFILE

I'm a back-end developer and DevOps engineer. I'm 30 years old. I have an experience in web (monoliths and microservices) and embedded software development, infrastructure deploying and system administration. I have a research experience in the field of control theory (satellite power supplies and UAV) and have multiple patents and publications. I have good communication skills, and I held several senior positions previously. 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.

EXPERIENCE

B2Basket.ru

Moscow, RU

TEAM LEAD

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



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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