

Alexei Fedotov

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A Python/C engineer with a passion for mathematics is looking for a job starting now, Munich/remote. I wrote mostly in C, before I started using Python.

Experience

Infrastructure and DevOps Engineer

Intel, 2022–now

- Built CI pipelines and releases for 6 AI projects (notably, Triton). Challenged technical debt in scripts.
- Supported 3-rack infrastructure. Helped developers overcome Linux and hardware challenges.
- Convinced engineers to move to the Kubernetes cluster. Served 5x more active engineers (50).
- Rewarded for infrastructure and process hardening.

DevOps Engineer

AstraLinux, 2019–2022

- Quarterly released Orel Linux (40 GB, 5000 packages, DVD-installer), the most popular company product.
- Ensured CVEs were patched. Maintained clickhouse, docker, lxc and other (20+) packages.
- Rewrote build system from awk to python, decreasing its size by 60%.
- Wrote a tool for comparing Debian repositories for 6 active users.

Software Engineer

Greenstar, 2016–2019

- Built software (all) for Beaglebone-based digital spectrometers, 20% C, 10% C++, 70% Python.
- Improved pyplot speed by 10x.

Manager

2008–2016

- Made releases of RedHat-based Linux distribution, a binary compiler, an ARM simulator.
- Pushed through the first non-US project on ASF.
- Led 3 successful software businesses up to 50 engineers, qa team, infra team.
- Wrote 1000+ page requirement documents. Wrote 200+ page Linux architecture documents.

Senior Software Engineer

Intel, 2002–2008

- Shipped Apache Harmony and Java Device Testing Suite releases.
- Coordinated reliability release: skyrocketed JVM reliability from 2h to 48h when running Eclipse scenario.
- Increased JVM performance by 4% on Eclipse scenario.
- Designed and implemented OS compatibility layer, Java byte code verifier.
- Wrote high-level design document for a team of 300+ engineers.

Skills

Bash, Python, C/C++, Docker, Kubernetes.

Education

- Passed DevSecOps, machine learning, finance and management trainings at Intel.
- Got Master degree with honors in Mathematics, Applied Mathematics from Moscow State University.
- Given CMMi certification course on quality management, courses on management and number theory.
- Led 10 student theses and 4 Google Summer of Code projects. Has 8 published papers, 8 patent applications.
- English C1. Deutsch A1.