

## Alexei Fedotov

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A Linux/DevOps Engineer is looking for a job starting on 2 Jan, Munich/remote.

## Experience

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### 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 engineers (50 active users) with the same infra team.
- Rewarded for hardening.

### DevOps Engineer

AstraLinux, 2019–2022

- Quarterly released Orel Linux distribution (40 GB, 5000 packages and installers), 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.

### 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.
- Filed 8 patent applications.

### Other

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

## Skills

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

## Education

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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 courses on quality management, and number theory. Led 10 student theses and 4 Google Summer of Code projects. Has 8 published papers.