Alexei Fedotov

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An experienced Automation Engineer who is passionate about streamlining test environments and CI pipelines is looking to apply their knowledge of scripting, system architecture and DevOps tooling. He also has experience of developing spectrometer software for radiosurgery.

Experience

Infrastructure and DevOps Engineer — Intel, 2022–2025

- 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 reliabilty 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 (2 years).

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.