Alexei Fedotov,   alexei.fedotov@gmail.com
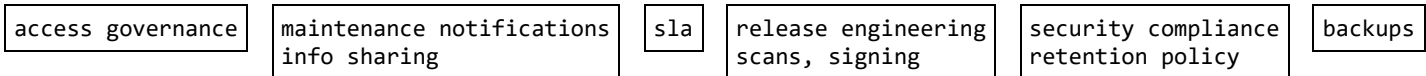
DevOps Engineer with Linux and AI background, Munich/remote starting on 2 Jan, +49 174 4969771, **Github**, **Linkedin**.

Infrastructure and DevOps Engineer at Intel   2022–now

Responsible for CI and testing pipelines for AI projects: **Triton** fork, **PyTorch**, **MLIR** extensions, **Modin**, **ICL**, **Graph Compiler**, **HDK** and others. Developed **bash**, **python** scripts, **cmake**-files. Migrated from Teamcity to GitHub actions. Compliled AI projects using **g++**, **nvcc**, **icpx**, **cython**, conda compilers. Evaluated pipeline failures with the focus on **conda**, Falcon Shores and **bare-metal runs**. **Helped** developers to overcome Linux and hardware challenges.
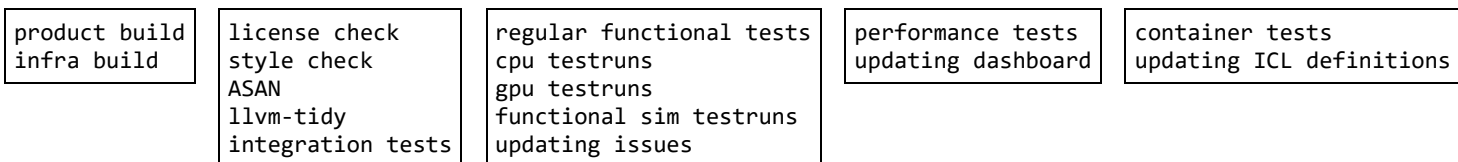
Processes

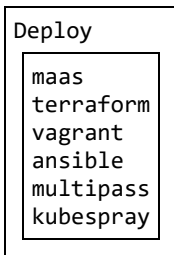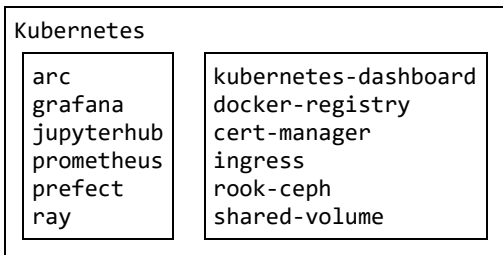| access governance	maintenance notifications info sharing	sla	release engineering scans, signing	security compliance retention policy	backups

Containerized Environments

self-hosted runners	arc runners	jupyter profiles	dev dockers	perf measurement dockers	reproducers

Pipelines

product build infra build	license check style check ASAN llvm-tidy integration tests	regular functional tests cpu testruns gpu testruns functional sim testruns updating issues	performance tests updating dashboard	container tests updating ICL definitions

Infrastructure Control Language   Infrastructure

```
Kubernetes

  arc           kubernetes-dashboard
  grafana       docker-registry
  jupyterhub    cert-manager
  prometheus    ingress
  prefect       rook-ceph
  ray           shared-volume

Deploy

  maas
  terraform
  vagrant
  ansible
  multipass
  kubespray

Bare-metal

  ubuntu
  rocky
  raid
  datasets
  runners
  caches

Clouds

  aws
  gke
  idc
  onecloud
  dbaas

VMs

  kvm
  qemu
  docker

GitHub

  repos
  actions
  runners
  caches
```
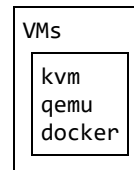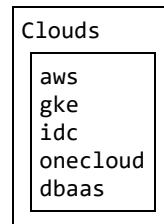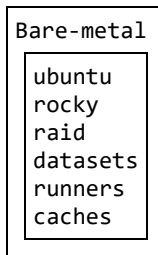
DevOps Engineer at AstraLinux   2019–2022

Built 40 GB releases and installers of Debian-compatible Linux distribution Orel (5000 packages) each quarter, rewrote awk buildsystem in Python.

Other DevOps Projects

Made releases, CI and testing pipelines for the following projects: RedHat-based Linux distribution, beaglebone-based digital spectrometers, Apache **Openmeetings**, a binary compiler, a functional simulator, JVM, Java Device Testing Suite.

Education

DevSecOps training, master degree with **honors** in Mathematics, Applied Mathematics from Moscow State University.