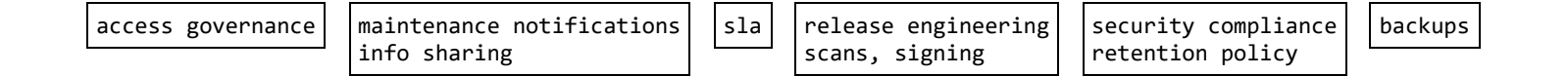# Alexei Fedotov

DevOps Engineer with managerial background who likes open source and AI, **alexei.fedotov@gmail.com**, Munich/remote starting on 2 Jan, +49 174 4969771, **Github**, **Linkedin**.

Current Employment

Infrastructure and DevOps Engineer at **Intel Corporation**, 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.
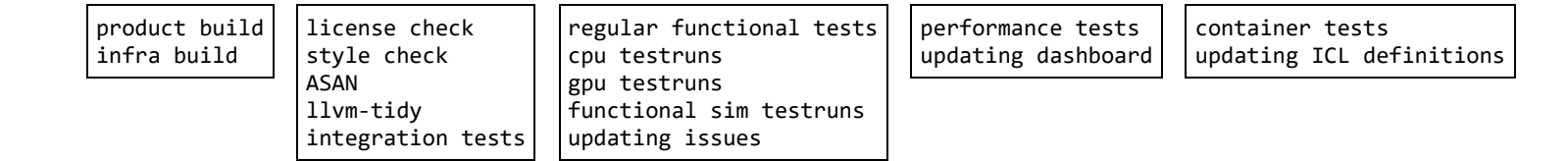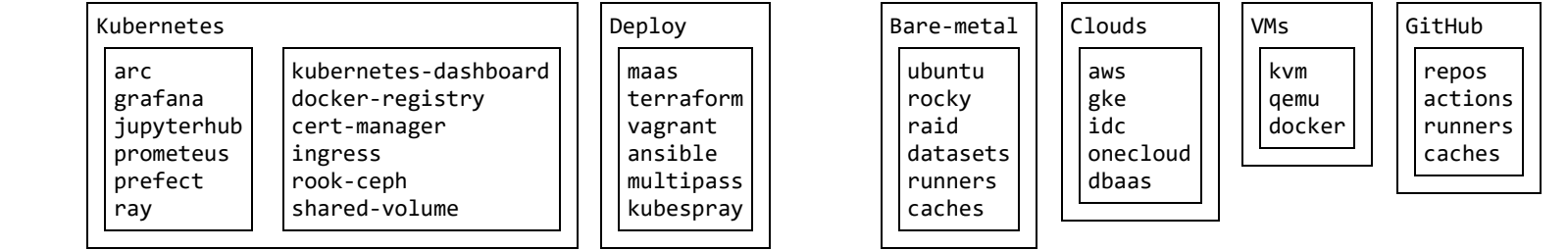
Processes

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

Kubernetes

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

Deploy

maas terraform vagrant ansible multipass kubespray

Infrastructure

Bare-metal	Clouds	VMs	GitHub
ubuntu rocky raid datasets runners caches	aws gke idc onecloud dbaas	kvm qemu docker	repos actions runners caches

Previous Experience (25+ years)

Release Engineering. Java Device Testing Suite at **Sun Microsystems**, reliability and performance releases at **Intel Corporation**. **Apache Openmeetings** releases. Debian and RedHat-based Linux distributions.

Development. Functional simulator for ARM-compatible hardware at **Soft Machines**, **design docs**, OS compatibility layer, Java byte code verifier at **Intel Corporation**. And **more**.

Management. SQE teams (10+ engineers), open-source software business (20+ reports), virtual teams (50+ engineers).

Teaching. CMMi certification courses on quality management, and number theory, **4** Google Summer of Code projects, **10** student theses, **8** published papers, **8** patent applications.

Education

DevSecOps, machine learning, finance and management trainings at Intel
Master degree with **honors** in Mathematics, Applied Mathematics from Moscow State University