

# Peter Demin

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Senior Backend Engineer

## Skills & Tools

Languages: Python, Go, SQL, JavaScript, C++, Rust  
Frameworks: Django, gRPC, aiohttp, Flask, React, Tailwind, 11ty  
Libraries: Protobuf, Jinja2, NumPy/SciPy, Pandas, Llama2  
Tools: AWS CloudFormation, Terraform, Git, Bazel, Kibana, Grafana, Jenkins

## Experience

**Senior Software Engineer** Moveworks, Remote Nov 2019 – Sep 2023

- Provided technical leadership to several mission-critical long-term projects from requirements collection to support unlocking multiple enterprise deals with \$10M+ in ARR.
- Designed, built, and maintained Python microservices using gRPC in Bazel-powered monorepo deployed to Kubernetes on AWS with Terraform.
- Built secure public APIs using async I/O HTTP servers and clients.
- Built continuous internationalization and localization pipelines for daily releases.
- Onboarded, coached, and mentored engineers of different level and experience.
- Proactively improved code quality, observability, knowledge sharing, engineer productivity, and adoption of best practices cutting down on-call burden by several hours per week.

**Senior Software Engineer** National Institutes of Health, Bethesda, MD Oct 2015 – Oct 2019

- Designed and built several RESTful APIs with Django REST Framework to support the National Center of Biological Information.
- Tech stack: CloudFormation, Service-oriented Architecture using Python, Django, TeamCity, and SaltStack deployed to a hybrid on-premise plus cloud environment.

**Lead Software Engineer** Epam, Minsk, Belarus Apr 2015 – Sep 2015

- Short-term contract with US-based private cloud storage company.
- Developed cluster configuration management tools on top of SaltStack that allowed deploying and upgrading air-gapped clusters of storage servers with Apache Hadoop family, GPFS, SNMP, and proprietary software.
- Tech stack: Python, SaltStack, YAML, Jinja, RedHat Linux deploying to bare metal data centers.

**Software Engineer** Yandex, Moscow, Russia Oct 2013 – Apr 2015

- Developed several fault-tolerant RESTful API services for high-load mobile-based applications.
- Designed SQL database schema and data migrations.
- Tech stack: Python, Flask, RESTful API, cross-datacenter deployments to Ubuntu VMs.

## Education

- Scrum fundamentals and Agile planning techniques 2015
- Machine Learning (Andrew Ng) Coursera 2014
- Moscow Aviation Institute Masters in Robotics and Computer Science 2005 – 2011