

# Peter Demin

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Staff Software Engineer passionate about code quality  
and developer productivity.

## Skills & Tools

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

## Experience

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

- **Technically lead** several mission-critical **long-term projects** from requirements collection to support.
- Designed, built, and maintained **Python microservices** using **gRPC** in **Bazel**-powered monorepo deployed to **AWS EC2**.
- Built secure **public API** using **Async I/O HTTP** servers and clients.
- Built continuous **internationalization** and **localization** pipelines for daily releases.
- **Coached** new team members and junior to mid-level engineers.
- Proactively improved code quality, observability, knowledge sharing, engineer productivity, and adoption of best practices.

**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: **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 gig working in an outsourced team for a 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.
- Got certified in **Scrum** fundamentals and **Agile** planning techniques.
- 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.
- Implemented **Debian package**-based deployment process.
- Tech stack: **Python, Flask, RESTful API, cross-datacenter** deployments to VMs.

## Education

Moscow Aviation Institute Masters in Robotics and Computer Science

2005 – 2011