

Peter Demin

Staff Software Engineer passionate about code quality
and developer productivity.

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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: AWS CloudFormation, Terraform, Git, Bazel, Kibana, Grafana, Jenkins

Experience

Staff Software Engineer Moveworks, Remote Nov 2019 – Sep 2023

- Technically led 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 ECS Terraform.
- 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: 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 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