

# Andrei Perestoronin

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## Professional Summary

Software and Infrastructure Engineer with 9+ years of experience in CI/CD, DevOps, backend engineering, and cloud automation. Skilled in Jenkins, GitHub Actions, Python, Docker, .NET, Terraform and Kubernetes. Designed and maintained CI/CD pipelines supporting major software releases to global users, built self-hosted Conda/Python package repositories, and optimized delivery workflows, including reducing release pipeline time by 16x. Experienced in modernizing legacy systems, migrating workloads to Kubernetes, and implementing proactive monitoring and reliability solutions. Certified in Terraform, with a focus on delivering scalable, efficient, and resilient infrastructure.

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## Technical Skills

- **Languages:** Python, SQL, Go, C#
  - **Frameworks & Technologies:** .NET 6, ASP.NET Core, WCF, Entity Framework, LINQ, REST, SOAP
  - **DevOps & Cloud:** Jenkins, Kubernetes, Docker, GitHub Actions, AWS, TeamCity, GitLab CI
  - **Databases & Tools:** MS SQL Server, Mongo, Redis, Git, Jira, Artifactory, Ansible
  - **Concepts & Paradigms:** CI/CD, Infrastructure as Code (IaC), Agile Methodologies
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## Certifications

- HashiCorp Certified: Terraform Associate (003) | [View Credly Badge](#)
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## Professional Experience

**@Intel | Software Application Development Engineer | Software Build and Release Engineer** | Dublin | November 2022 - Sept 2025

- Built and maintained Jenkins CI/CD pipelines delivering four oneAPI releases per year plus multiple patches.
- Designed a self-hosted Conda/Python repository on AWS S3 and created a CLI tool to automate uploads.
- Maintained and improved GitHub Actions workflows for building and validating oneAPI binary installers.
- Optimized the pipeline for a 2TB DEB and RPM repositories, reducing deployment time from 8 hours to 30 minutes (16× faster).
- Developed a Python CLI and module to integrate with an internal cloud platform API and automate team workflows.
- Worked with development teams to troubleshoot infrastructure and backend issues.

**@Intel | Infrastructure & Backend Engineer** | Russia | January 2020 - November 2022

- Migrated a legacy release automation engine to a Kubernetes-hosted .NET 6 platform.
- Supported release automation for multiple oneAPI product releases.
- Improved data replication stability to 98% by analyzing rsync across multiple Linux servers and implementing fixes.
- Maintained the business continuity plan (BCP) for the release automation engine.
- Built monitoring for PyPI deployments to detect and prevent upload failures.

**@ZAO MST | Software Engineer** | Russia, January 2018 - December 2019

- Researched and Developed an algorithm to simulate people evacuation during fire scenarios.
- Implemented features for calculating fire risk in complex building structures, contributing to the core product.

**@Intel | Intern Developer, Automation Engineering** Russia | December 2015 - December 2017

- Developed backend services for integration with Salesforce, reducing manual effort and errors.
- Implemented tests and test framework for internal services
- Supported and patched legacy version of release service
- Patched ASP.net pages with new data and forms for legacy release service

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## **Personal Projects**

### **Dogs.ie Telegram Bot**

- Technologies: Go, Web Scraping, Telegram Bot API
  - Developed a self-hosted Telegram bot using Go to periodically scrape the dogs.ie website for new listings.
  - Implemented a real-time notification system that alerts users immediately when a new dog is posted.
  - Engineered a user-facing settings feature allowing notifications to be filtered by specific dog breeds.
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