# Oleg Nenashev - Developer Productivity Engineer, Open Source Community builder and DevRel consultant

Current job: Lead Developer Advocate, Gradle
Public roles: CNCF/CDF Ambassador, Testcontainers Champion
Governance Board Member and Core Maintainer, Jenkins project
Previous job: DevRel Consultant and Community Lead, WireMock Inc.
Education: PhD, Electronics Design, St. Petersburg State Polytechnic University
Secondary MSc - Information Systems in Economics, same

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| Contacts | E-mail: o.v.nenashev at gmail.com Phone/Zoom: Schedule a Call<br>LinkedIn: linkedin.com/in/onenashev More links: linktr.ee/onenashev |
| Background | Community and tech lead, DevRel, and developer productivity engineer with 15+ years of experience. I started in hardware and electronics design automation, then switched to dev tools and open-source. Now: community and DevRel consulting, docs, automation, and observability. Public speaker and event organizer, CNCF/CDF Ambassador, GSoC mentor and org admin, Testcontainers Champion |
| Tech keywords | *Tech*: Java, Maven/Gradle, Golang, .NET, C/C++, Kubernetes, Docker, OpenTelemetry, Jenkins, GitHub Actions, Argo CD, Hugo, Antora, MkDocs, AWS, GCP<br>*Management*: Community/People/Product/DevRel, InnerSource, OSPO |
| More info | Publications and Talks, GitHub: github.com/oleg-nenashev |
| Languages | English (C1/2), French (B1, DELF certificate), Russian (native) |
| Location | Neuchâtel, Switzerland - permanent residency (permit C) |

## Jan 2024 - now, Lead Developer Advocate, Gradle Inc.

Member of Gradle's DevRel and Education team working on the Gradle Build Tool advocacy, user and developer communities.

## Apr 2023 - Jan 2024, Developer Relations consultant, WireMock Inc.

Contractor and employee #7 in a startup. There I lead DevRel for the open-source WireMock project and WireMock Cloud including advocacy, events, and community:

- Quadrupled community contributions to WireMock, in 9 months
- Built the community structure and social media channels, almost from scratch
- Started the OpenAPI Initiative membership & leveraged its outreach channels
- Launched Testcontainers partnership with AtomicJar (now Docker)
- Created the Testcontainers for C/C++ library and Java/Golang/.NET modules for WireMock
- Talks at Devoxx BE, JCON, JUGs, CNCF meetups, etc. 12+ blogs, and 10+ webinars

## Nov 2021 - Mar 2023, Dynatrace

***2022.10-2023**: Principal Product Manager, Dynatrace OSPO*

Keptn community and PM, mostly developer relations and go-to-market. Coordinated the first-ever Keptn LTS release, and helped to start the Keptn Lifecycle Toolkit sub-project.

***2021.11-2022.09**: Sr. Director of Product Management, Cloud Automation Strategy*

Open-source programs, Keptn and OpenFeature at the Cloud Automation BU, Innovation Lab. Product and community management, advocacy, and technical partnerships.

- Helped Keptn to reach the incubating status in the CNCF, as a project and product manager
- Participated in the OpenFeature launch, including governance bootstrap and company outreach.
- Organized the first ever Keptn Community Day at Kubecon NA 2022

Awards: Special stock bonus for launching the OpenFeature project and Keptn incubation

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**P.S: Ignore the next pages if you prefer the US-style resumes 🙂**

## Apr 2015 - Oct 2021: Principal Software Engineer, CloudBees Inc.

***2019.09-2021.10**: Principal Engineer and Tech Lead, Community Engineering Team*
Started a new team to drive key technical initiatives in Jenkins, with support from the CEO and the community director. Team leadership, DevRel, and community management.

- Coordinated Jenkins' graduation at the Continuous Delivery Foundation
- Introduced a public community-driven roadmap in the project (link)
- Configuration as Code, Pipeline as YAML, Jenkinsfile Runner, Tekton integrations, etc.
- Onboarded 10+ key employees including executives, VPs and principal engineers

Awards: Special Stock Bonus - for Jenkins community leadership; Recruiter of the Year 2019 - for successful referrals; DevOps World 2021 Top Speaker

***2018.01 - 2019.09**: Principal Engineer, Jenkins Architecture team / Foundation Team*
Making CloudBees products and Jenkins cloud friendly, closely working with the CTO and executives:

- External Log Storage and ELK-based reference implementation (JEP-207, JEP-212)
- Rollout and stabilization of JEP-200: enforcing permit lists in Java class deserialization
- Java 11 support in Jenkins and CloudBees Products (JEP-211)
- Configuration as Code (JCasC) support in Jenkins and CloudBees Jenkins Distribution (blog)

Awards: CTO Award for Java 10 and 11 support in Jenkins

***2015.04 - 2018.01**: Senior Engineer, Platform Reliability Team / Open Source Team*
Worked on scalability and reliability of Jenkins-based enterprise products and leading projects: CloudBees Jenkins Enterprise, CloudBees Jenkins Platform, CloudBees Jenkins Analytics, etc.

- Led the Project Nirvana research - building multi-tenant and highly-available Jenkins
- Jenkins Security team membership: triaging and fixing security issues
- Ad-hoc advocacy, 3 support, and professional services to Embedded/Automotive customers
- Interviewed, onboarded, and mentored 10+ engineers, as a newcomer buddy and a mentor

***Awards***: Individual recognition award for Project Nirvana; CTO Award for fixing the zero-day CVSS 10.0 RCE vulnerability in Jenkins (for the team); Top-1 user support rating among R&D for 3+ years

***Tools***: Java, Docker, Kubernetes, AWS (EC2, S3, CloudWatch, Localstack), GitHub, Elasticsearch, Kibana, Javascript, ActiveMQ, Apache Kafka, Redis, Spring Boot, Sonar, Veracode, etc.

## Apr 2013 - Apr 2015: Sr. Engineer II, Synopsys Inc.

Member of the Automation Infrastructure team supporting DesignWare ARC Processor Cores and the toolchain teams: compilers, operating systems, JVM, etc.
~300 R&D engineers, 8 sites in Europe, the US, Canada, India, and China. Led ARCJenkins - a department-wide CI service, based on Jenkins and Sun Grid Engine

- Delivered a new CI service and facilitated its adoption in the teams: ~50 products, >5000 builds per day, 5 compute grid clusters, dozens of Linux/Windows agents, and FPGA farms
- Led global ARCJenkins training, with 1-week on-site workshops in China, India, and the USA
- Onboarded 3 team members to the Automation Infrastructure team, as a mentor and tech lead

***Awards***: Individual recognition award for the ARCJenkins project

***Tools***: Jenkins, Coverity, Pentaho, Sonar, TestRail, Perforce, Sun Grid Engine, Jira, SAP CRM, Synopsys VCS and Design Compiler, Xilinx FPGAs, Synopsys HAPS, etc.

## Mar 2012 - Mar 2013: Senior Software Engineer, Sitronics Group

Project: new distributed account storage for the online billing system for MTS, one of the Top-3 telecom providers in CIS. Team: 10 engineers, 3 sites.

- Setup and Maintenance of the CI infrastructure (RHEL, VMware, MySQL Cluster)
- Development of the health and performance monitoring platform (Zenoss, Python)
- Performance, functional, and integration test automation (C#, NUnit, JMeter, C++)
- Integrated the corporate TFS-based CI, Test, and Release Automation system with Jenkins

## Mar 2011 - Feb 2012: Research intern, Intel Labs

Member of the "Integrated Platform Research" group working on embedded SoC architecture. Research and hardware/software prototyping for embedded CISC processor architecture, in the areas of branch prediction and binary code compression.

- Developed a specialized binary code compression algorithm, focused on minimizing the static program/data memory in embedded CISC processors. Implemented the compiler extension and a PoC hardware decoder for it
- Developed and maintained the CPU pipeline and memory performance testing framework for processor cores on cycle-accurate simulators and FPGAs

***Achievements***: The research results were classified as know-how and kept private

***Tools***: C/C++/Assembler, GCC, Perl, Tcl, VHDL/Verilog, Xilinx FPGAs, Jenkins

## Aug 2009 - Dec 2010: Software Engineer, Neftemer Ltd

***2009.08-2010.12*** - *Software Engineer, Neftemer Ltd*

Project - distributed oil flow monitoring system. It was a joint project between Neftemer Ltd (UK) and Complex-Resource Ltd. I was responsible for the embedded part of the system.

- Hardware design for demo- and industrial configurations of the system
- Implementation of embedded software components
- Development of system specs, user and developer documentation

***Tools***: C/C++, WinCE, .NET Compact Framework, SCADA, Doxygen, Java, UML

***2008.06-2009.12*** - *Embedded Systems Engineer, Complex-Resource Ltd*

Development and maintenance of hardware and embedded software for the company's non-invasive oil meters. The company worked with Russian and foreign (via Neftemer Ltd) oil companies.

- Applications for data acquisition from the company's oil meters (Vijeo Citect, C++, Java)
- QNX-based embedded system for oil flow monitoring (C++, drivers)
- Porting the company's legacy digital hardware to MC/FPGA (VHDL, C, Arm, Altera)

## 2004-2010: Freelancer, Embedded systems

- PCB design for microcontroller systems (mainly Atmel AVR and ARM)
- Software development: SCADA, electric drivers, wireless systems, video processing, etc.)

## III. Public Roles

### Mar 2023 - now: CNCF Community Ambassador

I focus on the areas of observability, CI/CD, and CI/CD Observability. SDLC Track chair for Kubecon NA 2023, organizer of meetups and events

### Oct 2023 - now: Testcontainers Champion

Advocacy and best QA practices. I am the creator of Testcontainers for C/C++ and the WireMock modules and an author of a few blog posts and conference talks.

### Mar 2020 - now: Continuous Delivery Foundation

***2020.03-now*** *- CDF Community Ambassador*
Elected to the first cohort and to the second cohort of CDF Ambassadors. I represent the CDF at conferences, and organize CI/CD online and offline meetups

Awards: Most Valuable Jenkins Advocate 2021

***2021.06-2023-06*** *- TOC Member, TOC Chair and Board Member (elected roles)*
The Technical Oversight Committee (TOC) facilitates technical strategy and collaboration among member projects. I represented the Jenkins project and facilitated interoperability among the projects. Re-election statement

- Top Doc[umenter] Award 2022 - for TOC docs and mentoring documentation contributors - blog
- Key projects. I participated in public CDF roadmap, CDEvents launch, Jenkins and Tekton graduation, onboarding of 3 new projects

### Dec 2012 - now: Jenkins open-source project

After several years as a user, in 2012 I started contributing to Jenkins. In 2014 I joined the core team that leads the development of this popular automation and CI/CD tool.

***2019.12-2023.12*** *- Governance Board Member (elected role)*
Building a stronger community and facilitating architecture changes in the project, together with other individual and company contributors. I publicly represent Jenkins, drive key technical initiatives and partnerships, open governance, and do community onboarding

***2014.12-now*** *- Core Maintainer and Event Organizer (paused due to the war in Ukraine)*
Top-5 contributor to the Jenkins core according to GitHub. I drive the Jenkins roadmap, maintaining the Jenkins core and its weekly releases. I also maintain Jenkinsfile Runner - a portable pipeline engine

- Led working groups: Cloud Native Jenkins SIG, Platform SIG, Advocacy&Outreach
- Jenkins Infra and Security Team memberships, Azure/AWS/EKS Infra contributions
- Organized Google Summer of Code, Hacktoberfest and other outreach programs since 2016
- Organized 50+ Jenkins meetups in Switzerland, Russia, and online
- Managed social media. Got the LinkedIn account from 2,000 to 45,000 subscribers in one year

***Tech stack***: Java, Groovy, Javascript, Maven, Gradle, JUnit, Selenium, WireMock, Eclipse Jetty, C#, .NET, Testcontainers, Docker, Kubernetes, GitHub and GitHub Actions, Asciidoc/Markdown at scale

***2012.12-2022.02*** *- Plugin Maintainer* for 30+ Jenkins plugins, including Configuration-as-Code, Role Authorization Strategy, Job Restrictions, Ownership, EnvInject

### Other organizations

- Tech memberships and participation: **InnerSource Commons, TODO Group, JUG Switzerland, FOSSi** - Free and Open Source Silicon Foundation
- **API Neuchâtel** - Co-organizer in the local association of IT Professionals
- **Free and Open Source Silicon Foundation -** Contributor and Librecores CI initiative lead
- **Future Russia - Switzerland**. Community and SMM in the Swiss Russian anti-war org
- **Jenkins RU/CDF Russia (paused)** - Founder and leader of the local Jenkins/CDF communities

## IV. Education

University: Saint Petersburg State Polytechnic University

- PhD: Hardware Design, Electronic Design Automation
- MsC: Hardware and Software co-design
- Secondary MSc: Information Systems in Economics

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| Dates | **PhD**, 2011 – 2015 |
| Department | Computer systems and program technologies, EDA Lab |
| Major | Components and devices of computing and control systems (Rus. classifier: 05.13.05) |
| Thesis | Reengineering of digital hardware, and embedding test modules and interfaces into devices described by multilevel models |
| Description | Research in areas of in-circuit testing and hardware reengineering.<br>Keywords: hardware representation model, netlist reverse engineering, methodologies for the automated synthesis of integrated circuit testing and built-in self-test components, prototyping of automated hardware reengineering toolkits.<br>EDA Tool Implementation: Java, Swing, Altera FPGAs, Quartus |

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| Dates / Degree | **MSc**, 2009 – 2011, with honors; average grade - 5.0/5.0 |
| Department | Computer systems and program technologies |
| Major | Automation and Control (Russian classifier - 220200) // HW-SW systems co-design |
| Thesis | Development of methods and tools for reengineering of digital hardware defined by HDL specifications. |

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| Dates / Degree | Engineer (**MSc)**, 2005 – 2011, with honors; average grade - 4.9/5.0 |
| Department | Information Systems in Economics and Management |
| Major | Applied Computer Science in Economics (Russian classifier - 080801) |
| Thesis | Development of modules for integrating the Neftemer information and measurement system with the Enterprise Resource Planning (ERP) systems of the potential customer - written based on the project at Neftemer Ltd |

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| Dates / Degree | **BSc**, 2005 – 2009, with honors; average grade - 4.9/5.0 |
| Department | Automatics and Computer Engineering |
| Major | Informatics and Industrial Control (Russian classifier - 220201) |
| Details | Developed the distributed radio system for collecting and initial processing of information based on Cypress CYWUSB6953 systems on a chip. Also wrote a course for 4-th year students, for the joint Cypress Semiconductor && SPBSPU research lab.<br>Tech: C, J#, Assembler, Cypress PRoC, LaTeX<br>Achievements: Excellence scholarship from the VTB Bank |