Oleg Nenashev - Developer Productivity Engineer, Community Builder and DevRel Consultant

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

Contacts	E-mail: o.v.nenashev at gmail.com Phone/Zoom: Schedule a Call LinkedIn: linkedin.com/in/onenashev More links: linktr.ee/onenashev
Summary	Community and tech lead, product manager, and engineer with 15+ years of experience. Started in electronics and design automation. Now: developer tools, community and DevRel consulting, docs, automation, CI/CD and observability. Public speaker, event organizer, CNCF 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 *Management*: Community/People/Product/DevRel, InnerSource, OSPO, Analytics
More info	Personal Site: oleg-nenashev.github.io GitHub: @oleg-nenashev
Languages	English (C2), French (B1, DELF certificate), Russian (native)
Location	Neuchâtel, Switzerland - permanent residency (permit C)

2024.01 - now, Lead Developer Advocate, Gradle

Member of Gradle's DevRel and Education team working on the Gradle Build Tool (GBT) advocacy, user and developer communities. Reporting directly to the VP of Engineering. I coordinate the department's DevRel strategy, GBT events, social media and budgeting in the department:

- Supporting key GBT ecosystem partnerships: GitHub, Microsoft, Google and JetBrains, etc.
- Managing GBT newsletter with 150,000+ subscribers. Doubled click-through rate in 4 months
- Content production, including blogs, release videos, training materials and video interviews
- Started company-wide initiatives on community analytics and writing velocity

Key Tools: Gradle, GitHub/GitHub Actions, Common Room, Grimoire Lab, Material for MkDocs, etc.

2024.07 - now, Independent Consultant

Consulting for DevRel, Community and Automation. Paid and pro-bono projects.

2023.04 - 2024.01, DevRel Consultant, WireMock

I led developer advocacy and community for the open-source WireMock project and WireMock Cloud. Built community governance, analytics and social media channels, almost from scratch.

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

2021.11 - 2023.04, Sr. Director of Product Management / Principal PM, Dynatrace

Community and product manager in the Dynatrace open source programs office, mostly focused on developer advocacy, Keptn and OpenFeature projects. Also, technical partnerships and events.

- 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
- Initiated the first-ever Keptn LTS release, helped to start the Keptn Lifecycle Toolkit project.

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 🙂

2015.04 - 2021.10, Principal Software Engineer, CloudBees

***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.

2013.04 - 2015.04: Sr. Engineer II, Synopsys

Member of the Automation Infrastructure team supporting DesignWare ARC Processor Cores and the toolchain: dev boards, compilers, simulators, operating systems, JVM, etc. Led a project to create a department-wide CI service for ~300 R&D engineers in Europe, the US, Canada, India, and China.

- Delivered a new CI service and facilitated its adoption in the teams: ~50 products, >5,000 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.

2012.03 - 2013.03: Senior Software Engineer, Sitronics Group

Project: new distributed accounts 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

2011.03 - 2012.02: Research Intern, Intel Labs

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

- Ultra-small CISC project. 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 for customers in Canada, Russia, and the UK.

- Hardware design for demo and industrial configurations of the system
- Implementation of embedded software parts (C/C++, WinCE, .NET Compact Framework)
- Project coordination with other teams and integrators

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

2023.03 - 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

2023.10 - 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.

2020.03 - 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 and companies. I represented the Jenkins project and facilitated interoperability among the projects. Re-election statement

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

2012.12 - 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

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. 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. EDA Tool Implementation: Java, Swing, Altera FPGAs, Quartus

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.

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

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. Tech: C, J#, Assembler, Cypress PRoC, LaTeX Achievements: Excellence scholarship from the VTB Bank