Anastasiia Spaseeva

Senior Developer Experience Engineer | Engineering Productivity & Developer Infrastructure

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Professional Summary

Senior Software Engineer specializing in Developer Experience, Engineering Productivity, and Developer Infrastructure, with 8+ years of experience and 6+ years at JetBrains.

Architected safe-merge systems and end-to-end release automation across projects, improving main-branch reliability, developer feedback loops, and release predictability for 100+ engineers.

Combines hands-on Kotlin engineering, Kotlin scripting, and build tooling with technical roadmapping and cross-organizational leadership.

Current exploration: AI-native developer workflows and engineering infrastructure for AI coding agents.

Experience

Software Engineer (Sep 2020 - Present)

JetBrains - Amsterdam, NL
Developer Experience & Engineering Systems

Driving developer experience, engineering productivity, and release infrastructure improvements across 100+ engineers, multiple teams, and departments.

- Owned the Developer Experience roadmap for *100+ engineers*, using developer interviews to identify systemic bottlenecks, prioritize improvements, and present technical strategy and outcomes to engineering leadership
- Architected and implemented safe-merge and merge-queue workflows across interconnected repositories and departments, including build and test safeguards, broken-main recovery, rollback, and coordinated parallel merges
- Improved main-branch build success rate to approximately *90-95%*, increasing integration stability and providing more reliable CI feedback for developers working on feature branches
- Reduced remote build validation time by approximately *33-50%*, from *90-120 minutes* to *around 60 minutes*, through CI workflow optimization and faster developer feedback
- Architected and automated end-to-end release processes, from planning and branching through dependency coordination, staging, validation, and production deployment, supporting both time-driven and feature-driven delivery
- Improved release predictability through cross-project orchestration and automation, reducing manual coordination and schedule slippage across time-driven and feature-driven delivery workflows
- Replicated and adapted release engineering solutions across projects, tailoring automation to different delivery requirements while previously implemented tooling remained in use independently by the Kotlin team
- Built developer tooling and CI/CD infrastructure using Kotlin, Kotlin scripting, Gradle, TeamCity configuration as code, GitHub Actions, Docker, Helm, Terraform, AWS-based build agents, and workflows spanning monorepos and cross-monorepo dependencies
- Designed and maintained secure CI/CD and release workflows, including safe execution on developers' local machines, TeamCity project administration, configuration-level access controls, and secrets management using HashiCorp tooling
- Led cross-organizational engineering initiatives, aligning stakeholders, technical scope, resources, and priorities across departments to drive adoption of DevEx and release engineering practices

Technologies: Kotlin, Kotlin Scripting, Gradle, TeamCity, GitHub Actions, Configuration as Code, AWS, Docker, Helm, Terraform, Linux, Git, Monorepos, Merge Queues, Release Automation, HashiCorp Secrets Management

Software Development Engineer in Test (Nov 2019 - Nov 2020)

JetBrains - Saint Petersburg, Russia
Kotlin Language Specification

Developed specification-compliant test suites to validate Kotlin language behavior and support the evolution of the Kotlin Language Specification.

- Improved test infrastructure and validation tooling, making specification-related failures easier to investigate and distinguish from implementation defects
- Contributed to the Kotlin Language Specification and its technical documentation, helping clarify language behavior and specification ambiguities
- Kotlin Language Specification - Acknowledgments: https://kotlinlang.org/spec/introduction.html#acknowledgments

Technologies: Kotlin, Test Automation, Language Specifications, CI/CD, Developer Tooling

Software Development Engineer in Test (Nov 2017 - Nov 2019)

Luxoft - Saint Petersburg, Russia

Automotive (Audi, Daimler, Peugeot)

Automotive diagnostic testing and tooling development for Valeo projects associated with Daimler, Audi, and Peugeot programs.

- Developed an automated diagnostic test-suite generator for UDS (ISO 14229), substantially reducing manual test authoring effort previously measured in weeks
- Built a human-readable verification compiler using ANTLR4, enabling expressive and maintainable test definitions beyond the limitations of the existing test library
- Developed UDS-driven test-stand hardware and supporting automation for automotive diagnostic validation

Technologies: Java, Jenkins, Jira, ANTLR4, UDS (ISO 14229), Test Automation, DSLs, Compiler Development, Hardware Integration

Education

Bachelor's Degree - Fundamental Computer Science (2019)

Peter the Great St. Petersburg Polytechnic University

Language courses

Dutch - A1 (CEFR) (May 2022 - Sep 2022)

UvA Talen, Universiteit van Amsterdam

Dutch - A2 (CEFR) (Jan 2023 - May 2023)

UvA Talen, Universiteit van Amsterdam

Dutch - B1 (CEFR) (Jun 2023 - Jun 2024)

UvA Talen, Universiteit van Amsterdam

Skills

Programming & Build Tooling: Kotlin, Kotlin Scripting, Gradle

Developer Tooling: Developer Experience, Build Automation, CI Feedback Optimization, Monorepo Workflows

CI/CD & Release Engineering: TeamCity, GitHub Actions, Configuration as Code, Merge Queues, Safe Merge, Release Orchestration

Infrastructure: AWS, Docker, Helm, Terraform, Linux, Git, Build Agents, TeamCity Administration, Access Controls, HashiCorp Secrets Management

Technical Leadership: DevEx Roadmapping, Cross-Team Architecture, Stakeholder Alignment, Workflow Adoption

Additional Expertise: Test Automation, ANTLR4, Domain-Specific Compilers, Kotlin Language Specification

Current exploration: AI-Native Developer Workflows, Engineering Infrastructure for AI Coding Agents