

# Andrey Pichugin

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## Java Software Engineer

### Summary

Software engineer, specializing in enterprise Java projects. I have over 4 years of production ready development in Java and its frameworks, such as Spring and Hibernate. My expertise includes developing new features, participating in code reviews, maintaining and updating existing projects, sustaining development environments and delivery pipelines.

### Technical Skills

- Java, JavaScript.
- Spring Framework (Core, Boot, Web, Security, Data, AOP), Hibernate, PostgreSQL, MongoDB.
- JUnit, Mockito, PowerMock.
- Git, Jira, Jenkins, Maven, Gradle, Docker, Kubernetes, Kibana, Logstash, Elasticsearch, Openshift.

### Experience

#### Software Engineer | Five9 Inc. | Feb 2021– Jun 2022

Development and maintenance of Java API server, responsible for managing calls, and respective VoIP software solution based on FreeSWITCH.

- Investigated and fixed memory leaks by tracking stuck call channels and dropped events using Elasticsearch, Logstash, and Kibana stack to track execution flow failures, therefore increasing server nodes uptime by 30%.
- Ensured consistency and stability of server nodes in case of system failures by performing Java and C code analysis and testing in more than 60 failover scenarios.
- Increased project's unit test coverage by 20% by covering most of the controller and database connection classes.
- Enhanced database cleanup Bash scripts by implementing multithreaded execution, improving their run time by 50%, which accelerated server node's restart time.
- As the owner of the developer testing environment, decreased its downtime more than twice by improving maintenance procedures and creating corresponding documentation.

#### Full-Stack Developer/Customer Support Engineer | Netcracker Technology | Mar 2018 – Jan 2021

Website development based on Liferay Portal platform built in Java and JavaScript.

- Supported major website release with more than 500 thousand visitors per month during 4 months business trip onsite.
- Implemented OpenID authentication and Identity Provider integration with Liferay Portal.
- Provided mapping for new category of product objects in catalog model by introducing new APIs and SQL queries.
- Improved performance for bulk multithreaded objects loading by optimizing object batches and removing unnecessary procedures, which improved product catalog mapping duration from 30 to 15 minutes.
- Coached a new support team of 7 people on the project in two weeks.
- Fixed cache versioning issue, removing necessity to restart server to apply changes to catalog, saving 20 minutes spent on maintenance during backend updates and installations.

## Education

- **Volga State University of Water Transport | 2018:** Technical Maintenance and Exploitation of RadioElectronic Equipment – Specialist.