Alexey **Melnichnikov**

Software Engineer

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An experienced software engineer with expertise in back-end development of large-scale and projects from the ground-up to runtime. Skilled in directing development with creative and performance-oriented approach. A team player with leadership and mentorship experience, close collaboration with businesses to meet the needs of end users.

Skills

- Languages: Java, Kotlin, Groovy

- RDBMS: PostgreSQL, Oracle

- NoSQL: MongoDB, Cassandra, Clickhouse, Elasticsearch, Hazelcast, Infinispan

- Techs: Spring (Core, Cloud, Boot), ORMS (Hibernate, MyBatis), Java specs (JMS, JAX-RS, JAX-WS), JUnit, Spock, Testcontainers, GraphQL, Vert.X, Kafka, RabbitMQ, Docker (Swarm, Compose), Proxmox VE, SOA/REST/Web Services, WebSockets

- Tools: Jira, GitHub, BitBucket, GitLab, TeamCity, Ansible

- VCS: Git, Svn, Mercurial (HG)

- Methodology : Agile, Scrum, Kanban, TDD

- Web Servers: Nginx, Tomcat, Netty, Jetty

Work History

Mar 2019 - Current

Software Engineer

Mail.ru Group, Moscow

Project: Financial marketplace for entrepreneurs развивай.рф (razvivai.rf)
Accomplishments:
- Implemented MWP and shipped it to production for 4 months.
- Developed system architecture.
- Profiled and tuned up all JVM apps. As a result, decreased the price of infrastructure by two.

Techs: Java, Kotlin, Groovy, PostgreSQL(debezium), Docker Swarm (migration process

to Kubernetes), Kafka.

**May 2017 -
Apr 2020**

Lead Software Engineer
Divico LLC, Moscow

Project: Internal bloggers search platform. Team lead, a distributed team of 5.
Accomplishments:
- Created infrastructure from scratch using Proxmox virtualization and Docker.
- Organized code review process.
- Official Beta version was shipped on time.
- Created analytics dataflow of YouTube, Instagram, VK bloggers, which helped to analyze trends in social networks. That highly increased marketing revenue.
- Created report management which automated major part of manual labour of some departments.

Techs: Java, Scala, PostgreSQL, Clickhouse, Cassandra, Docker Swarm, RabbitMQ, Spring Dataflow, Elasticsearch.

**Apr 2016 -
Mar 2019**

Software Engineer
Nexign, Moscow

Projects:
- MegaFon(tier 1 telecom operator) customer portal API, Billing API, Push notifications API, support chat service.
- Opensource template engine development https://github.com/MegafonWebLab/histone-java2
- Billing Platform, API Gateway service

Accomplishments:
- Orchestrated efficient large-scale software deployments, including testing features, correcting code and code reviewing.
- I designed and developed a support chat that facilitated communication with end users.
- Contributed to Histone2 template engine.
- Main developer of API Gateway service, which served as main API composition layer in new Billing platform. Assisted with the interviewing and hiring of software engineers.

Techs: Java, Vert.x, MongonDB, PostgreSQL, RabbitMQ, Zookeeper, Docker Swarm.

**Jul 2014 -
Apr 2016**

Software Engineer
Eldorado LLC, Moscow

Projects: Online store eldorado.ru and mobile application for employees.
Accomplishments:
- Took a significant part in the development of online platform on SAP Hybris platform.
- Rewrote PL/SQL business logic to Java API.
- Created a mobile application using Apache Cordova.

Techs: Java, JS(Apache Cordova), Oracle.

Education

Sep 2007 -
Jun 2013
Master of Science: Electrical And Electronics Engineering
Moscow Aviation Institute - Moscow

Certifications

Sep 2016 Coursera Course Certificates: Functional Programming Principles in Scala

Mar 2017 Coursera Course Certificates: Functional Program Design in Scala

Apr 2017 Coursera Course Certificates: Parallel programming