Dmitry Zakharov

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Professional Summary

Experienced Software Developer with over 12 years of expertise in Java backend development, big data processing, and telecommunications analytics. Proven record in designing and deploying high-performance systems, large-scale ETL frameworks, and distributed applications using Hadoop, Presto, Hive, Kafka, and Docker. Strong background in enterprise Java (Spring, Hibernate), database optimization, and integration of heterogeneous data processing systems.

Technical Skills

Languages: Java, C/C++, Go, Rust, SQL, Groovy, Shell, Perl **Big Data & Distributed Systems:** Hadoop (Apache, Cloudera, Hortonworks), Hive, Presto, Kafka, Cassandra **Frameworks & Tools:** Spring, Hibernate, J2EE, REST, SOAP, Corba, JUnit, Docker, Ansible **Databases:** PostgreSQL, Oracle, MySQL, DB2, SQL Server, HSQL **Version Control & CI/CD:** Subversion, Git, Jenkins **Other:** Adobe Flex, Cognos, Rational Suite, WebSphere, JBoss

Professional Experience

Area22 – Dublin, Ireland

Software Engineer. *May 2024 – October 2025*

- Designed and developed microservices for an AI-backed distributed application using Python and Rust.
- Analyzed and eliminated critical memory leaks in the existing codebase, improving performance with parallel request processing.

IBM – Dublin, Ireland

Innovation Team Software Engineer. *September 2009 – April 2024*

- Served as a key developer and right-hand to the System Architect at IBM Now Factory, contributing to multiple release generations and sub-systems.
- Developed and maintained a K8s operator in Go for the Cloud Pack for Network Automation (CP4NA), leading product releases and certification pipelines.
- Designed and implemented ETL modules for Parquet and ORC formats and built Kafka connectors (file source, HDFS sink, Kafka-to-Kafka).
- Integrated Presto and Knox security gateway with a custom JDBC driver proxy and server-side dispatchers.
- Developed high-performance Avro serialization/deserialization libraries (C/Go to Java via JNI).

- Managed Docker-based deployments using Ansible automation.
- Maintained and optimized database systems (PostgreSQL, Oracle, Cassandra) with Hibernate and Spring JDBC templates.
- Promoted from Band 8 to Band 9.

Environment: Java, Hadoop, Hive, Presto SQL engine, Kafka, Cassandra, Docker, Ansible, PostgreSQL, Oracle, Spring, Hibernate.

The Now Factory – Saint Petersburg, Russia

Principal Software Engineer. *October 2007 – August 2009*

- Worked in the subsidiary branch of The Now Factory, Dublin, Ireland, and was invited to the Dublin headquarters after two years.
- Maintained a mobile phone network configuration tool for Vodafone, Ireland, a multi-tier, service-oriented application with a rich client GUI.
- Designed and developed a telecom analytics platform, including metrics, with multiple deployments across Europe and South Africa (Vodacom).
- Led the design and development of a new generation of the application with a web front-end in Adobe Flex.

Environment: Java 5.0, Corba, Swing, Hibernate, Junit, Groovy, Oracle 11, JBoss, Adobe Flex

Luxoft – Omsk, Boeing Outsource Development Center, Russia

Lead Software Engineer. *September 2004 – September 2007*

- Designed and developed the CDMU web application for Boeing using Java, J2EE, Spring, and Web Services.
- Contributed to the REDARS project for Boeing, utilizing Java, J2EE, Spring, and IBM's EAD4J framework.
- Maintained the Boeing System Encyclopedia using Java, J2EE, and Struts.
- Provided on-site support for the REDARS project at Boeing in Seattle, USA, from September to December 2006.

Environment: Java (1.4, 5.0), J2EE, Spring, Web Services, Subversion, Rational Tools, IBM WebSphere, DB2, Perl.

Education

Professional Services in C++ Programming Course *Public University - Omsk, January 1993 – March 1993* Course Certificate.

Siberian State Automobile and Highway University - Omsk, *1983 – 1988* Master's Degree in Engineering, Honorable Mention Diploma.