

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 micro services in AI backed distributed application with Python and Rust programming languages
- Analyzed and eliminated serious memory leaks in existing code base. Increased performance with parallel request processing.

IBM – Dublin, Ireland

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

- Innovation team developer and right hand of System Architect in IBM Now Factory, contributing to multiple release generations and sub-systems.
- Platform team developer in Cloud pack for Network Automation (CP4NA), contributed and maintained K8s operator in Go programming language, lead product releases and certification pipelines.
- Designed and implemented ETL modules for Parquet and ORC formats; built Kafka connectors (file source, HDFS sink, Kafka-to-Kafka).
- Integrated Presto and Knox security gateway with 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.
- Started with band 8 at IBM and was promoted to band 9.

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