

Gleb Uvarov

PRINCIPAL SOFTWARE ENGINEER · JAVA · CLOUD · DEVOPS

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Summary

With over 15 years of experience in the IT industry, I have amassed extensive hands-on expertise in the design and development of cloud-native and data-intensive applications, as well as microservices and distributed platforms.

My core competencies encompass the following:

- **Systems design and implementation:** deep understanding of architecting robust and scalable systems, ensuring optimal performance and reliability.
- **Technical leadership:** leading cross-functional teams, guiding them towards successful project delivery and fostering a collaborative and innovative work environment.
- **Development automation:** implementing automation strategies to streamline the software development lifecycle, enhancing efficiency and productivity.

Skills

Programming	JAVA SPRING, GOLANG, SHELL
Cloud	AWS, KUBERNETES, DOCKER
DevOps	TERRAFORM, ARGOCD, LINUX, JENKINS
DataStores MQ	ELASTICSEARCH, KAFKA, MONGODB, POSTGRESQL

Experience

Sytac

Amsterdam, Netherlands

SENIOR BACKEND ENGINEER | CONSULTANT

Jul 2022 - Present

I have been providing IT consulting services to clients across diverse industries, including banking and manufacturing. Leveraging my extensive and up-to-date IT expertise, I assist these clients in implementing cutting-edge solutions tailored to their specific needs.

Schuberg Philis

Schiphol-Rijk, Netherlands

MISSION CRITICAL ENGINEER | CONSULTANT

Jul 2022 - Jul 2023

I have been working as a consultant for a Dutch multinational brewing company, specifically focusing on an IoT platform. Throughout my involvement, I have made significant contributions to the enhancement of monitoring/observability tools, APIs, and improvements to the CI/CD platform.

European Patent Office

Rijswijk, Netherlands

LEAD SOFTWARE ENGINEER | CONTRACTOR

Dec 2014 - Jun 2022

Since its inception in 2019, I have been leading the development of an Event-Streaming platform. In this role, I have been responsible for handling technical and design aspects related to implementing the architecture and dataflow of core pipeline components. Additionally, I have overseen security measures, monitoring activities, troubleshooting, and CI/CD processes. Notably, the platform has the capability to process over 1,000 events per second. Before undertaking this role, I was heavily involved in the development of a Search Engine for Patent information. This project involved enabling real-time search functionality across billions of documents.

Sam Solutions

Minsk, Belarus

SENIOR SOFTWARE ENGINEER

Sep 2009 - Nov 2014

I have been actively engaged in the design and development of vendor-specific datacenter management solutions. Over the course of my five-year tenure, I transitioned into a Team Leader position, specifically overseeing a project focused on the integration of VMWare products within datacenters.

Certificates

AWS Certified Solutions Architect – Associate

AWS

2023

CKAD: Certified Kubernetes Application Developer

THE LINUX FOUNDATION

2021

Oracle Certified Professional, Java SE 8 Programmer

ORACLE

2017

Education

BSUIR(Belarusian State University of Informatics and Radioelectronics)

ENGINEER - SYSTEMS ANALYST | ARTIFICIAL INTELLIGENCE

Minsk, Belarus

2005 - 2010

Projects

Connected Brewery IoT Platform

GOLANG | AWS | TERRAFORM | DOCKER | GRAFANA | INFLUXDB | MYSQL | DATADOG | GITHUB

The Connected Brewery IoT is a platform that provides intelligent support to shop floor workers by collecting sensor data from various sources within the brewery and storing it in a data lake. The collected data is subsequently utilized to generate real-time insights and facilitate the development of specific use cases in dedicated environments.

Platform support, Observability improvements, CI/CD, API development

Data Enrichment Platform

JAVA 11 | KUBERNETES | KAFKA | SPRING [CLOUD DATAFLOW | CLOUD STREAM | CLOUD FUNCTION | BATCH | BOOT] | MONGODB

Data Enrichment Platform is a flexible software platform for performing data enrichment by executing various algorithms on a collection of documents, retrieved from a certain data source system. The enrichment result are often annotated texts and images, but can also be new documents/images/etc., e.g. in case of machine translation.

Platform Setup & Deployment, Stream components implementation, CI/CD, Monitoring & Alerting Setup, Performance Tests

Ansera

JAVA 8 | KUBERNETES | ELASTICSEARCH | LUCENE | ANTLR | SPRING | HIBERNATE | JUNIT | MAVEN

Ansera is a search engine for patent information. The goal is to deliver highly relevant documents before the examiner starts working on a patent application. It provides search with plain text (find similar), custom domain-specific query language, and search for similar figures.

DSL grammar implementation, AST to Lucene translation, Custom search queries

Event Service

JAVA | SPRING | HIBERNATE | FLEX | H2DATABASE | SBLIM CIM CLIENT | SNMP4J | SOAP | JUNIT | MAVEN

Event Service is an extension to VMWare vCenter which uses polling-based approach to handle servers monitoring events through CIM and SNMP indications. Through Event Service extension VMWare Infrastructure (e.g. vSphere Web Client plugins) can operate vendor-specific information.

Implementation the SNMP protocol, user authentication mechanism, SSL certificates verification, performance tuning, requirements analysis, team management, documentation

SPM

JAVA | TOMCAT | JETTY | HIBERNATE | SPRING | APACHE WICKET | QUARTZ | H2DATABASE | MS SQL | POSTGRESQL | JUNIT | SNMP4J | IPMI | WINPCAP | SBLIM CIM CLIENT

The goal of SPM is a monitoring and managing power consumption of PRIMERGY servers. SPM supports discovery and tracking for these servers and power management using IPMI, SNMP, CIM, CLP protocols.

Implementation the CLP protocol, SOAP part implementation, performance tuning

VIOM

JAVA | SWING | HIBERNATE | MS SQL | POSTGRESQL | IPMI | GANYMED SSH | MAVERICK SSH | QUARTZ | APACHE ANT |
JUNIT | MOCKITO | POWERMOCK

The goal of the project is allow the configuration and management the input/output parameters of the PRIMERGY Blade Servers as well as the LAN connection modules and Intelligent Blade Panel (IBP), virtualizing and saving the server blade-specific I/O parameters in a hardware-independent server profile.

Support of IPMI protocol, encryption algorithms (HMAC-SHA1, HMAC-SHA1-96, AES-CBC-128), SSH performance improvements, build system improvements, bugfixing, requirements analysis, team management, documentation