

# Maksym C.

## Expert Software Engineer

### SUMMARY

- 15+ years of experience as a Software Engineer, specializing in Java, microservices, and system design for backend development;
- Expertise in developing and maintaining scalable web applications and microservices with a focus on performance optimization;
- Strong experience in building applications using Spring Boot, Kafka, Docker, and RESTful API design;
- Proficient in integrating third-party APIs and cloud-based solutions, with a strong background in Azure and AWS platforms;
- Extensive experience with SQL (PostgreSQL, Oracle DB) and NoSQL (MongoDB) databases;
- Familiar with CI/CD pipelines, using Jenkins, GitHub Actions, and AWS SDK for continuous integration and deployment;
- In-depth knowledge of Agile methodologies, contributing to sprint planning, code reviews, and project delivery in international teams;
- Experience in unit testing, integration testing, and ensuring high code quality with tools such as JUnit and RestAssured;
- Worked on high-stakes projects in the finance, telecom, healthcare, and insurance industries, delivering critical software solutions;
- Strong leadership and mentoring experience, managing development teams and delivering successful projects.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Java, PostgreSQL, Hibernate, Spring Boot
<b>Programming Languages</b>	Java
<b>UI Frameworks, Libraries, and Browsers</b>	Ant Design
<b>.NET Platform</b>	Azure
<b>Java Frameworks</b>	Hibernate, Spring Boot
<b>Java Libraries and Tools</b>	JMS
<b>Data Analysis and Visualization Technologies</b>	OLAP

<b>Databases &amp; Management Systems / ORM</b>	Hibernate, MongoDB, NoSQL, Oracle Database, PostgreSQL, Redis, SQL
<b>Cloud Platforms, Services &amp; Computing</b>	Azure
<b>Azure Cloud Services</b>	Azure Blockchain
<b>BlockChain and Decentralized Software</b>	Azure Blockchain
<b>Deployment, CI/CD &amp; Administration</b>	CI/CD
<b>Virtualization, Containers and Orchestration</b>	Docker
<b>QA, Test Automation, Security</b>	JUnit
<b>Message/Queue/Task Brokers</b>	Kafka, RabbitMQ
<b>Methodologies, Paradigms and Patterns</b>	microservices, REST, SDLC, SOAP
<b>Other Technical Skills</b>	BPM, Drools, FHIR, PLCs, SCADA

## WORK EXPERIENCE

### Senior Software Engineer, Database Management Tool for Insurance Project

**Duration:** 10.2023—Present

**Summary:** Insurance project.

**Responsibilities:** Designed and implemented new features for a database management tool, including integration with legacy systems and overseeing migration to the Spring framework and Java 21, while utilizing the Azure platform for cloud-based solutions.

**Technologies:** Java 21, Postgres, Azure

### Senior Software Engineer, Master Patient Index Management Platform

**Duration:** 09.2021—10.2023

**Summary:** Healthcare Interoperability Resources protocol.



**Responsibilities:**

- Design and implementation of key features, notably focusing on search and matching functionalities;
- Testing, encompassing rigorous assessments through JUnit, integration testing, and end-to-end testing;
- Ensuring the robustness and reliability of the platform.

**Technologies:** Java 17, Oracle DB, FHIR.

**Senior Software Engineer, Atlas**

**Duration:** 09.2019—08.2021

**Summary:** Sports Application Microservices.

**Responsibilities:**

- Development and management application microservices, addressing critical functionalities like user management, billing, alerting, and more;
- Streamlining deployment processes through the creation of deployment scripts, promoting system scalability and operational efficiency;
- Software quality testing efforts, which include end-to-end and integration testing within sandbox environments.

**Technologies:** Java, JPA, RabbitMQ, Microservices.

**Senior Software Engineer, Solve.Care**

**Duration:** 09.2018—08.2019

**Summary:** Solve.Care is a blockchain-based platform that streamlines healthcare administration, payments, and coordination through decentralized applications.

**Responsibilities:**

- Software development lifecycle, including the architecture, design, and implementation of user management solutions;
- Orchestrated seamless migrations to newer platform versions, ensuring the continuous evolution of the system;
- Conducted unit and integration testing and established robust CI/CD pipelines to guarantee the reliability and efficiency of the software.

**Technologies:** Java, Blockchain, Kafka, MongoDB.

**Development Team Lead, Qvantel**

**Duration:** 09.2016—07.2018

**Summary:** Qvantel is a software company that provides cloud-based business support systems (BSS) for telecom operators, enabling automation and digital transformation.

**Responsibilities:**

- Delivering seamless integrations with third-party services using Kafka and REST;
- Encompassed the full spectrum of integration solution development, from architecture and design to successful implementation;



- Negotiation and collaboration with third-party service providers, presenting proposals for effective cooperation;
- Entrusted with team leadership, undertaking mentorship and coaching duties, contributing significantly to project success.

**Technologies:** Java, Spring, Kafka, REST, SOAP.

### **Senior Software Engineer, CITI bank**

**Duration:** 04.2013—08.2016

**Summary:** Citi Bank is a global financial institution that provides banking, credit, investment, and wealth management services to individuals and businesses.

#### **Responsibilities:**

- Creation of pricing components using a custom JMS-based platform;
- Fostering seamless integration with other key bank systems through various mechanisms, including REST and JMS;
- Ensured the system's reliability and performance through continuous integration and comprehensive testing procedures, all of which were crucial in delivering solutions.

**Technologies:** Java, JMS, Spring, Hibernate.

### **Senior Software Engineer, UBS**

**Duration:** 01.2012—04.2013

**Summary:** UBS is a global financial services company that offers banking, wealth management, and investment solutions for individuals, businesses, and institutions.

#### **Responsibilities:**

- Crafting dimensions and postprocessors for OLAP cubes in Java;
- Engaged in the design and implementation of new requirements, ensuring that they seamlessly integrated into the existing system;
- Unit and functional testing practices.

**Technologies:** Java, OLAP, Spring.

### **Senior Software Engineer, Financial Sector Projects**

**Duration:** 10.2008—12.2011

**Summary:** Collaboration with Deutsche Bank and UBS.

#### **Responsibilities:**

- Development of sophisticated report generation systems, complete with intricate business rules and rule flows, to the integration of multifaceted CRM systems, harmonizing information from various providers;
- Crafting Drools business rules and rule flows with the simplicity of an Excel spreadsheet, as well as designing server-side functionality.

**Technologies:** Drools, CRM Integration.



## **Software Engineer & Team Lead, Negeso**

**Duration:** 02.2007—09.2008

**Summary:** Negeso CMS is a content management system that enables website editing from a browser and includes a website translation module, Google integration, and other features.

### **Responsibilities:**

- Integration project: Led the integration of the vehicle registration system for Dutch authorities;
- WebCMS enhancement: Improved the automatic website creation system based on webCMS;
- Team leadership: Managed a team of developers, showcasing leadership and technical skills.

**Technologies:** WebCMS, Vehicle Registration System.

## **Industrial Automation Software Engineer, CTS**

**Duration:** 08.2003—02.2007

**Summary:** CTS is a technology company that provides IT services, cloud solutions, and digital transformation support for businesses across various industries.

**Responsibilities:** Creating statistical modules to visualize essential technological process data, while using PLCs from Schneider and Siemens and various SCADA systems;

**Technologies:** PLCs, SCADA Systems.

## **EDUCATION**

### **PH.D. PHYSICS**

G. V. Kurdyumov Institute for Metal Physics

### **M.SC. PHYSICS**

National Taras Shevchenko University

## **CERTIFICATION**

- Oracle Java 6 Programmer Certification 310-065;
- Data Analysis by Johns Hopkins University (Coursera);
- Functional Programming Principles in Scala by École Polytechnique Fédérale de Lausanne (Coursera);
- Fibonacci Numbers and the Golden Ratio by The Hong Kong University of Science and Technology (Coursera).

