


# Vitaly Sazanovich

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## Summary

Software engineer with 20 years of experience. I worked in startups and big corporations, worked offshore, onshore, as a freelancer, consultant. Worked as a team lead, architect, devops engineer.

In 2011 I came to the Netherlands from Belarus to start working at the European Patent Office.

I like responsibility in technical matters, making things work, fixing them, improving them. My preferred stack is Java -> Typescript (Angular). I also worked with Kotlin, Python, Go, React. I never developed for mobile native (just once, long time ago). So it's been mostly web and on a few occasions desktop. I'm comfortable with Linux and bash.

I enjoy programming, here are some of my hobby projects:

<https://octavian.app> - learning app for Roland V-accordions, digital piano

<https://elex.vitas.dev> - dictionary server with full-text search and responsive ui

<https://github.com/geniot/indexed-tree-map> - enhanced java.util.TreeSet

<https://github.com/geniot/jnovelist> - writer's novel management system, integrated with Git

My biggest achievements (as I see them):

<https://worldwide.espacenet.com/classic> - I was instrumental in the design and development of the EPO's open patent search system (both backend and frontend)

<https://octavian.app> - a great learning app for all piano and accordion players. Just connect your digital instrument to a PC and start rehearsing in the browser.

<https://github.com/geniot/indexed-tree-map> - a very useful enhancement to SDK. It should become part of it one day.

Specialties:

technical design, devops, performance tuning, ui usability

\*Ik spreek ook goed Nederlands. Bel me gerust voor al uw vragen: +31 6 47 14 86 58

## Experience



### Full Stack Engineer

Tata Consultancy Services

Jul 2021 - Present (1 year 5 months +)

TCS is a service company. KLM is one of their clients. So I'm working at TCS and KLM at the same time.



### Full Stack Engineer

KLM Royal Dutch Airlines

Jul 2021 - Present (1 year 5 months +)

Planning & Control (May 2022 - current)

Project Aurora is a new schedule management and adjustment system written in Kotlin, Java, Groovy, TypeScript (Angular). It is designed to host schedule information of KLM's flights and later other airlines. The distribution service is designed to serve this information to hundreds of consumers.

Using Gradle, Kafka, Postgresql, Cloud Object Storage. Architecture: microservices. Deployment: K8s. My achievements so far: migrated prod deployment to the new cluster, implemented a few user stories.

Learn & Evolve Department (July 2021 - April 2022)

Implemented integrations between KLM HR services, CornerStone, Moodle, AG5. Used Spring Boot, PostgreSQL, REST services; Bamboo, K8s, Pivotal Cloud Foundry (PCF). Did quite a few DevOps tasks: analysis of resources usage within the cluster, project configuration, console log analysis.

Improved code quality using Sonar hints. Migrated deployments to new K8s cluster. Wrote mock tests following code coverage hints.



## Full Stack Engineer

European Patent Office

Jun 2011 - Jun 2021 (10 years 1 month)

Project: Espacenet Worldwide Search

<https://www.epo.org/searching-for-patents/technical/espacenet.html>

Technologies/tools: JBoss, Apache, Spring, Maven, JQuery, JSP, Selenium, JUnit, Jenkins, Confluence, SVN/Git, React.

Implemented new features, fixed bugs, wrote tests, released and deployed the project, maintained documentation.

Project: OPS (from 3/2017 till current)

<https://www.epo.org/searching-for-patents/data/web-services/ops.html>

Technologies/tools: REST services, JBoss, Apache, Spring, Maven, RestEasy, JUnit, Jenkins, Confluence, SVN/Git, XML, JSON

Implemented new features, fixed bugs, wrote tests, released and deployed the project, maintained documentation.

Project: New Espacenet (3 months in 2017)

<https://worldwide.espacenet.com/>

Technologies/tools: ReactJS, npm.

Implemented a query builder prototype using a third-party component.

Projects: TFLY, Di+, CPC, CCD (from 2011)

CPC browser: <https://worldwide.espacenet.com/patent/cpc-browser>

CCD: <http://ccd.fiveipoffices.org/CCD-2.2.1/>

TFLY and DI+ are used internally by examiners.

These 3 projects are written in JavaScript (jQuery). I have maintained them for many years: occasional bug fixes / improvements, deployments to different environments.

Project: LTA, LTA-CMS (from 2011)

Internal service for setting app settings in different environments.

Technologies/tools: JBoss, Apache, Alfresco, Spring, Maven, JSP, Jenkins, Confluence, SVN/Git

Fixed bugs, migrated to new environments (JVM, JBoss), released and deployed the project, maintained documentation.

Project: Data-Loader (2 months in 2019)

Internal component (part of another project) used for loading data into a database.

Technologies/tools: Docker, Kubernetes, Spring Boot, Maven, Jenkins, Git.

Migrated this project to Kubernetes and Docker. (EPO's own data center).

## **freelance software developer**

freelance

Sep 2007 - May 2011 (3 years 9 months)

worked as a freelance software developer with a number of different American startups related to ad serving (<http://www.inadco.com>, <http://www.brilig.com>, <http://www.payparade.com>, <http://monkeybroker.com>, <http://www.dijipop.com>)

## **software engineer**

PayPod

Oct 2006 - Aug 2007 (11 months)

designed and implemented an ad server for an Indian startup with American venture capital

## **software developer**

Coherent Solutions

Mar 2006 - Sep 2006 (7 months)

implemented new features, support and maintenance for one of the customers called Gearworks (now <http://www.xora.com/>)

## **software engineer, project manager**

Generation\_P

Sep 2004 - Mar 2006 (1 year 7 months)

Played different roles (concept, use-cases, design, implementation, time/resource management) on different projects in this dynamic company.

## **product/sales manager**

Wargaming

Aug 2002 - Mar 2004 (1 year 8 months)

Helped to improve and sell a program used for serving banner ads on the internet in the company's division called AdRevolver.

## **Education**

### **Belarusian State University of Informatics and Radioelectronics**

Software Engineering

2008 - 2010

### **Minsk State Linguistic University**

Bachelor's degree

1997 - 2002

## **Skills**

Angular • TypeScript • Docker Products • Docker • Kotlin • Kubernetes • React.js • Online Advertising • Start-ups • Ad Serving