

Adam Zurada

Personal details

Date of Birth 29/07/1992
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Education

2016-2019 M.Sc. in Computer Science
Polish-Japanese Academy of Information Technology, Warsaw
2014-2014 University of California, Los Angeles
2011-2014 B.A. in Music Composition
Karol Szymanowski Academy of Music, Katowice

Professional skills

backend Java 8+ Core, SQL + noSQL, Apache Kafka, Kafka Streams, KSQL, MongoDB, Neo4J, JPA/Hibernate, Spring 5 Framework, RabbitMQ, IBM MQ/WMB, Python, REST, OAuth, GraphQL

frontend JavaScript, HTML 5, Angular 4, React.js, CSS

cloud / devops Docker, Kubernetes, Azure (App services, Virtual Machines, Azure Kubernetes Service, Azure SQL Database), OpenShift, Amazon Web Services (EC2, S3, MariaDB services).

Professional experience (2014 - now)

Credit Suisse, Zurich
Associate Architect /
Senior Software Engineer
04.2020 – now

Project summary:

Developing core banking applications backend in Java/Angular in area of international wealth management and portfolio monitoring. This is the main and principal project of Credit Suisse and it is widely used by all relationship managers of the company. It integrates with +100 different web services.

Responsibilities:

Split of current monolith (Web Logic container with Java EE) to micro services architecture deployed on private OpenShift cloud with Docker/Kubernetes.

Project Size:

+50 Software Developers across 8 teams working on the set of applications in area of wealth management based on Agile methodology.

Swisscom, Zurich
Senior Software Engineer
09.2018 – 04.2020

Project summary:

Greenfield enterprise banking system involving cryptocurrencies and funded by Swisscom, Custodigit and Sygnum Bank.

This system enables direct money transfers between any fiat currency (i.e. CHF) and multiple cryptocurrencies. Microservices architecture based on asynchronous Kafka pub/sub pattern based on machine states.

Responsibilities:

- backend implementation of the system involving micro service architecture, based on Java 12, Spring Boot, Hibernate, Apache Kafka, deployed to Docker and OpenShift cloud,
- implementation of Kafka Streams + KSQL and preparation of Kafka environment including multiple data centers,
- created a topic browser in Java/Angular specifically designed to explore messages,

- finding architecture solutions and preparing technical system requirements,
- gaining experience through all stages of the project by being present from the very beginning of the implementation (09.2019) till production releases,
- integration through message queues (IBM) with external data providers,
- integration with block chain through Metaco Silo.

Project size:

Budget of above 12 million CHF, + 20 senior engineers working in Agile methodology.

Credit-Suisse, Zurich

L3 Java Developer

05.2018 – 09.2018

Project summary:

Portfolio Advisory and Monitoring system used widely across Credit-Suisse relationship managers with clients around the world.

Responsibilities:

- Java L3 support and bug fixing the existing Java-based backend application and AngularJS-based frontend,
- managing of SQL Batches

Vattenfall, Poland

Senior Java Developer

12.2017 – 05.2018

Project Summary:

Vattenfall is a co-owner of network of thousands of electric car charging stations across Europe (+7000 stations). The (contractor through Connectis) project involved application system to manage the charging stations and solutions for invoicing electric vehicles owners.

Responsibilities:

- implementing international solutions for eMobility in Java, Spring, Kafka Streams using Domain Driven Development deployed to **Azure**.

Coinswitch.com, Poland

Java Developer

06.2017 – 12.2017

(contractor through Connectis)

Project Summary:

The project involved a digital wallet allowing immediate exchange between multiple currencies and cryptocurrencies.

Responsibilities:

- Implementation of application written in Java and i.a.:
- Spring Cloud: Eureka, Zuul,
- Spring Security: JWT and OAuth 2,
- Spring Integration using RabbitMQ,
- Spring Data with Hibernate and MongoDB / PostgreSQL,
- integration with external API services i.a. Advance Cash, Payeer.

IBM, Poland

Fullstack Java Dev/DB Specialist

06.2016 – 06.2017

Project Summary:

The most advanced project in area of Intelligent City Monitoring in Poland ever. IBM introduced the same system which is currently running in New York (USA) to be in Katowice (Poland) involving 255 cameras analyzing people and objects movement with artificial intelligence and computer.vision.

Responsibilities:

- creating artificial neural networks using Python / Keras with Machine Learning to recognize trams in the city,
- communication with the local government,
- implementation of application written in Java and i.e.:
- Spring Boot and MVC,
- IBM Liberty Profile,
- IBM WAS

Apreel, Poland**Java Developer**

11.2015 – 06.2016

Project summary:

Implementing systems for insurance companies: Allianz and Warta. Mobile application for notifying about car damages /accidents by providing participants details and uploading images for documentation. Live streaming and chat with an agent in the venue of an accident.

Responsibilities:

- writing backend for the mobile application using Java,
- support of Allianz applications written in JavaEE using EJB,
- new feature implementation for Warta online travel insurances written in Groovy.

Infovide Matrix, Poland**Junior Java Developer**

12.2014 – 11.2015

- project for Energa (energy holding company),
- support of Allianz applications written in JavaEE using EJB,
- new feature implementation for Warta online travel insurances written in Groovy.

Certificates

Oracle Certified Associate, Java 8 SE, TOEFL (Advanced English)

Hobbies

Orchestral music composition, film scoring, video filming, drones, artificial intelligence

Other AchievementsLaureate of Zurich Film Music Competition during 8th Zurich Film Festival: https://youtu.be/m_sgK-L6wCQAutonomous RC Car recognizing path using machine learning: <https://youtu.be/Dgtsx3JWhus>Image classification – multiple vehicles recognition and identification: <https://youtu.be/DZMI3QJ-GMk>Created POC of Java dependency injection framework: <https://github.com/zurada/adamframework>Composing and recording of original orchestral music: <https://youtu.be/LyJAOXmE4-U>