



Michal C.

Software Architect



Professional summary

A talented Software Engineer, Architect, Technical Consultant and Leader with a proven working experience within a broad spectrum of industries. Science professional, skilled among others in Machine Learning, Python, Java, Scala, JavaScript, and OpenGL. Interested in further development and use cases in Data Science, Machine Learning, AI and processes optimization. Has great experience in building effective teams and setting there processes from scratch.

Education	Jagiellonian University, Poland - Faculty of Physics, Astronomy and Informatics
Certificates	Practical Machine Learning, DataWorkshop, Mar 2018 Cryptography, Coursera, Feb 2014
Skills	Java, Python, Kotlin, Scala, Node.js R code JavaScript, TypeScript, Angular, React, WebGL Webpack, GraphQL AWS (multiple services) GCP TensorFlow, Jupyter, Keras, Numphy, Pandas SQL, MySQL, PostgreSQL, Oracle, MongoDB, ElasticSearch, Hbase, Redis Docker, Kubernetes Git, Maven, Gradle CI/CD Blockchain Android SDK

	Kruk S.A.
Project	A financial player, whose core business is the management of debt in three segments: consumer, mortgage-backed and SME/Corporate, resulted from various economical areas: banking, insurance, leasing, telecommunication, cable TV, digital platform, utility and FMCG
Period	May 2021 – now
Role	Software Architect
Technologies	Java, Spring, JavaScript, TypeScript, Node.js, Angular, Kubernetes, Activiti BPMN, Apache Camel, ActiveMQ, RabbitMQ, MsSQL, Machine Learning, Natural Language Processing, GitLab CI

Responsibilities

- Maintained and developed the RPA (Robotic process automation) for documents service, document life cycle and for documents recognition, and classification based on content;
- Engaged ML/NLP in document processing;
- Built a new team for intercepting existing projects, conducting technical part of recruitment processes for team members.

	Astek Poland
Project	Ongoing major project for Sabre Corporation - a leading software and technology company that powers the global travel industry
Period	Jun 2020 – May 2021
Role	Software Architect / Technical Consultant (secondary duty)
Technologies	Java, Google Cloud Platform, Kubernetes, OpenShift, ElasticSearch, Couchbase, Jenkins

Responsibilities

- Took care of the legacy code architecture offloading to the Google Cloud Platform;
- Cooperated with Business Analysts and Technical Product Managers in order to establish technical requirements;
- Analysed the code and prepared a description of the flow in services ecosystem;
- Ported the CI/CD processes to the field of Google Cloud Platform microservices ecosystem;
- Conducted a technical part of recruitment processes for scrum master, front and backend software developer and software architect positions,
- Estimated the valuation of IT projects and advised on in the presale processes,
- Held ad hoc consultations in software development teams where production and software delivery process issues need to be diagnosed, defined and provided with the customized solution.

Project	Astek Poland
	Major project for ELM Information Security. The system was based on the DDD approach
Period	Nov 2019 – May 2020
Role	Software Technical Lead
Technologies	AWS (Cognito, Fargate, S3, Lambda, CloudFront, Elastic Container Registry and others), Docker, Reactive Spring 5, Spring Cloud, GraphQL, TypeScript, Node.js, React, MongoDB, Redis, Terraform, GitLab CI/CD.

Responsibilities

- Led a scrum team of 7 members;
- Was responsible for designing software architecture and technical contacts with Saudi Arabian client;
- Designed and implemented from scratch a microservice-based architecture system capable of withstanding high load and at the same time giving the best user experience.

Project	HSBC Holdings
	A financial services organisation that serves more than 40 million customers
Period	Oct 2018 – Nov 2019
Role	Senior Full Stack Software Engineer
Technologies	Spring Boot, Spring Batch, Hibernate, Cucumber BDD testing, Pivotal Cloud Foundry

Responsibilities

- Worked on production incident troubleshooting;
- Implemented new features and refined features' requirements with BA/Architects,
- Was responsible for ROS (Retail Onboarding Service), part of the CDD (Customer Due Diligence), the onboarding process for new customers of the bank.

	Opitz Consulting
Project	A project for custom-built applications, individual Business Intelligence solutions and the digital transformation
Period	Mar 2017 – Oct 2018
Role	Developer Consultant
Technologies	Angular, AWS (Gateway, Lambda, DynamoDB, Cognito)

Responsibilities

- Mentored junior developers;
- Introduced presentations, workshops, and trainings in an area of Machine Learning and Blockchain Technology;
- Participated in development projects with the following clients:
 - Athlon Car Lease** (Maintained the existing system, introduced propositions of new technical solutions, redeveloped of SingleSignOn system in order to merge it with Daimler Fleet Management System)
 - BSH (Bosch und Siemens Hausgeräte** (Developed a serverless system based on AWS lambda services (GUI was developed on Angular 4/5).

Project	Mapp Digital (former Teradata Marketing Application)
	A digital marketing platform for insight-led customer engagement
Period	Sep 2015 – Mar 2017
Role	Full Stack Software Engineer
Technologies	Java (Spring, Hibernate, REST Services), JavaScript (AngularJS, Node.js, Grunt), HBase, Redis, MySQL, Jenkins, Docker
Responsibilities	
<ul style="list-style-type: none">• Broke monolithic application into microservices;• Introduced new features;• Maintained legacy code infrastructure;• Worked with relational and NoSQL databases.	

Project	Freelancer
	Multiple projects on web development
Period	Nov 2010 – Sep 2015
Role	Web Developer / Java, JavaScript Developer
Technologies	PHP, JavaScript, Node.js, MeteorJS, Java, Android, MongoDB, MySQL, PostgreSQL, SQLite

Responsibilities

- Worked with a variety of clients, technologies, and within different circumstances;
- Collected clients' requirements, shaped it and resolved for the real-world applications;
- Developed applications as a single contractor or as a team member;
- Was responsible for full stack development with various technologies in usage.