

MAREK ČÍŽ

SOLUTION ARCHITECT & LEAD SOFTWARE ENGINEER

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Valašské Klobouky, Czech Republic

Company ID (IČO) 08544026 · Sole trader, VAT registered

PROFILE

Solution architect and lead software engineer with 10+ years in the Java and backend ecosystem (Java, Kotlin, Spring Boot). Since 2019 a sole trader on B2B contracts for Kooperativa (VIG), Mercedes-Benz.io and Elder Studios. AI-native: I own the architecture, specifications and review, and AI coding agents write the code. I help companies move to an AI-native SDLC. I pick up technical and business knowledge fast and enjoy sharing it with colleagues – always with good energy.

KEY HIGHLIGHTS

- Evangelised and integrated AI across the company and within my teams as AI change champion (GitHub Copilot, JetBrains Junie, Claude).
- Business process automation and modelling: Camunda 8, BPMN 2.0, BPMN design standards, workshops.
- End-to-end delivery across the SDLC: requirements → analysis → design → development → testing → production support.
- Production applications in fintech (Home Credit, China), GPS tracking (RAM Tracking, UK) and telecommunications (Aurora, UK).
- Microservices with a Spring Boot backend and a JavaScript/Vue.js frontend; designed and built new systems (e.g. AIS Servis).
- Built a behavior-driven development (BDD) test framework used by the QA team; CI/CD automation with GitHub and GitLab.
- Led 3 development teams of 4–21 people; supported leadership of a 20+ person engineering team.

EXPERIENCE

Lead Software Development Engineer – Kooperativa (VIG)

01/2023 – present · B2B contract

- Tech lead and team lead for the ground-up rewrite of VIG insurance systems (Kooperativa, ČPP, Global Expert); prototyping new solutions.
- Designed and built new microservices in Java and Kotlin with Spring Boot, Camunda 8, Apache Kafka, OpenAPI and MongoDB.
- Designed and built VIG's custom applications for the Camunda 8 environment (VIG Operate, VIG Tasklist, Reporting); set BPMN design standards, modelled processes and ran workshops.
- AI change champion: company-wide adoption of GitHub Copilot, JetBrains Junie, ChatGPT and Claude. AI-native delivery – AI agents write the code, and code review runs with AI assistance.

Technologies: Java, Kotlin, Spring Boot, Camunda 8, BPMN 2.0, Apache Kafka, OpenAPI, MongoDB, GitHub Copilot, JetBrains Junie

Software Engineer – Mercedes-Benz.io

10/2020 – 12/2022 · B2B contract

- Backend, DevOps and QA development of microservices using the backend-for-frontend (BFF) approach; API design with OpenAPI.
- CI/CD automation (Jenkins, Kubernetes).
- End-to-end (E2E) test automation with Playwright: test design, test data creation and test writing.

Technologies: Spring Boot, Jenkins, Kubernetes, OpenAPI, Playwright

Software Engineer – Elder Studios

07/2019 – 10/2020 · B2B contract · Brno

- Built custom applications end to end: backend, frontend and DevOps.
- Hardware integration: camera, GPS and video calls.

Technologies: Java, Spring Boot, Vue.js, Nuxt, Bulma, AWS, OpenAPI, PostgreSQL, MySQL, Docker, GitHub

Java Developer – EmbedIT – PPF Group

04/2018 – 07/2019 · employment · Brno

- Backend of Java and Kotlin web applications (microservices) for a financial company.
- Frontend demo and prototype applications.

Technologies: Kotlin, Java, Spring Boot, Camunda, BPMN, RabbitMQ, Oracle SQL, Redis, Hazelcast, Cassandra, Gradle, Jenkins, ExtReact, GitLab

Java Developer – NXP Semiconductors

07/2017 – 04/2018 · employment · Brno

- Developed the backend and frontend of a desktop application built on the Eclipse framework, including Eclipse plugins.

Technologies: Java SE, Python, Eclipse, Jira, Jenkins

Developer – Hydraulics s.r.o.

06/2016 – 11/2017 · part-time contract · Slopné

Custom plugins for information systems and a new company website (Delphi, PHP, HTML5, CSS3).

Intern – Red Hat

03/2016 – 06/2017 · internship · Brno

- Infispector: a monitoring tool for internal communication in Infinispan clusters (backend, infrastructure).
- Bachelor's thesis: deploying Infispector to Red Hat OpenShift.

Technologies: Java, JavaScript, Node.js, Apache Kafka, Druid, Infinispan, OpenShift

Designed the technical solution and the whole visual inspection process for automotive components; hired, trained and led up to 60 people across several plants.

SKILLS

Backend & platform	Java, Kotlin, Spring Boot, Camunda 8, BPMN, Kafka, RabbitMQ, REST / OpenAPI, Microservices, Backend for Frontend, Hazelcast, Infinispan
Data	PostgreSQL, Oracle SQL, MongoDB, MySQL, Redis, Cassandra
Frontend	Vue.js, Nuxt, React, JavaScript, TypeScript, HTML5, CSS3
DevOps & quality	Docker, Kubernetes, OpenShift, AWS, Jenkins, GitHub CI/CD, GitLab CI, Gradle, Playwright, E2E testing, BDD
Architecture & delivery	Solution architecture, System design, API design, Process automation, Scrum, Business analysis, Workshops

EDUCATION

Brno University of Technology

Bachelor's degree, Information Technology · 2014–2017
Thesis: deploying Infispector to Red Hat OpenShift

Tomas Bata University in Zlín

Information Technology (master's studies) · 2017–2019

LANGUAGES

Czech – native · English – B2

KEYWORDS

Java (Java SE, JVM), Kotlin, JavaScript (JS), TypeScript (TS), Python, SQL, HTML5, CSS3, Spring Boot (Spring, Spring Framework), Microservices (microservice architecture, distributed systems), REST API (RESTful APIs), OpenAPI (Swagger), API design, Backend for Frontend (BFF), Camunda (Camunda 8, Camunda Platform), BPMN (BPMN 2.0), Workflow automation, Business process automation, Process modelling, BPMN design standards, Apache Kafka, RabbitMQ, Messaging, PostgreSQL (Postgres), Oracle (Oracle SQL), MongoDB, NoSQL, MySQL, Redis, Cassandra, Hazelcast, Infinispan, Caching, In-memory data grid, Vue.js (Vue), Nuxt (Nuxt.js), React (ReactJS, ExtReact), Single-page applications (SPA), Docker (containers, containerization), Kubernetes (K8s), Red Hat OpenShift, AWS (Amazon Web Services), CI/CD (continuous integration / continuous delivery), Jenkins, GitHub, GitLab (GitLab CI), Git, Gradle, DevOps, Cloud-native, Twelve-Factor App, Test automation, End-to-end testing (E2E), Playwright, Behavior-driven development (BDD), QA automation, Test data creation, Solution architecture, Software architecture, System design, Microservices design, Prototyping, SDLC (software development life cycle), Production support, Tech lead, Team lead, Technical leadership, Team leadership, People management, Hiring, Training, Mentoring, Scrum, Agile, Jira, Stakeholder communication, Client communication, Communication skills, Soft skills, Workshops, Requirements analysis, Business analysis, AI-assisted software development with large language models (LLMs: Claude, ChatGPT, Gemini), Generative AI (GenAI) tools, AI coding assistants, GitHub Copilot, JetBrains Junie, Claude (Anthropic), ChatGPT (OpenAI), Gemini (Google), Midjourney, AI adoption, AI change champion, AI enablement, AI evangelism, Developer productivity, AI-native SDLC transformation, AI-native software development (AI-first development), AI code review, Human-in-the-loop development, AI coding agents (agentic coding), Claude Code (multiple models), OpenAI Codex, MCP servers (Model Context Protocol), Context engineering, Context repositories (CLAUDE.md / AGENTS.md), Spec-driven development, Agent skills, Custom AI commands (slash commands), Prompt engineering, Insurance (insurtech), Financial services (fintech, consumer finance), Automotive, Telecommunications, GPS tracking (telematics), Semiconductors, Open source

AI SKILLS

Tools	Claude Code, OpenAI Codex, GitHub Copilot, JetBrains Junie, Claude, ChatGPT, Gemini, Midjourney
Workflow	AI-native development, AI coding agents, Spec-driven development, Context engineering, Context repositories (CLAUDE.md / AGENTS.md), Agent skills, Custom AI commands, Prompt engineering, MCP servers, AI code review, Human-in-the-loop
Adoption	AI change champion, AI adoption, AI enablement, AI evangelism, Developer productivity

CERTIFICATIONS

Spring: Design Patterns
Vue.js Essential Training
Learning Kubernetes
Microservices Foundations
Cloud Native Twelve-Factor Applications

CONFERENCES

Camunda (Berlin, New York), Java Days Prague