

SENIOR FRONTEND/FULLSTACK DEVELOPER

Ing. Miroslav Bartoš

Open to remote/hybrid work | Jičín/Prague

React · TypeScript · Vite · .NET/C# · MSSQL

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Bio

I am a developer with more than 10 years of experience in web and mobile application development, enterprise solutions and data visualization. I have spent the last six years at Siemens. I am strong in frontend (React, TypeScript) and in designing multi-tier applications with REST APIs.

I have experience with the agile approach in smaller teams as well as larger product organizations, including collaboration with a Product Owner and DevOps.

I use AI-assisted development in solo PWA projects.

Work Experience

09/2020 – 10/2026

Siemens, s.r.o. · Software Developer · Prague

- **Machine tool data dashboards in industry**
  - Management sees downtime costs, production reads machine and workforce utilization, maintenance looks up machine alarms and incidents
  - I led a complete refactoring – technology selection, PoC, presentation to the team, and then development, mainly of the frontend
  - I built the build/test pipeline in GitLab Pipelines
  - In the mature phase of the product I was responsible for dockerization and deployment on Siemens' proprietary cloud solution, Siemens Industrial Edge
- **Applications for Zebra devices in the automotive industry**
  - Management and tracking of liquid metal delivery, digitization of paper records
  - I took part in the architecture design and worked with a DB specialist; otherwise the development was entirely on my own
  - For testing and vulnerability scanning I had to use the customer's pipeline in Azure DevOps

12/2019 – 09/2020

Hanaboso s.r.o. · Software Developer · Hradec Králové

- Startup with a mobile app product built in Flutter, where I developed the frontend on my own
  - Fullstack development
- Web applications in Angular and Spring Boot
  - Agency frontend development of the Datovka application

Work Experience

continued

10/2017 – 11/2019 **Quadient s.r.o.** · **Software Developer** · Hradec Králové

- Scrum team member, product team of 50+ people
- Development and maintenance of a scalable document production product, on-premise and in the cloud
- Mainly frontend development with Code Review rights for colleagues, plus planning and breakdown of dockerization, work in AWS

03/2015 – 09/2017 **ApSo s.r.o.** · **Software Developer** · Hradec Králové

- Web development in React, a CRM on the Android platform and an ERP system on OpenEdge

Skills

dots = level out of 5

FRONTEND

React TypeScript ●●●●●

Vite Webpack ●●●●○

Angular Kotlin/Android Flutter ●●●○○

BACKEND

.NET/C# ●●●○○

Spring Boot ●●●○○

Java/Kotlin ●●●○○

DATA

MSSQL (formerly ELK Stack, MySQL, Oracle) ●●○○○

AI TOOLS

Claude and Copilot (agentic code editing)

ARCHITECTURE

Multi-tier web applications with REST API, Microservices

Education

09/2011 – 05/2017

University of Hradec Králové

Faculty of Informatics and Management

Bc. and Ing. (BSc + MSc), Applied Informatics

- Thesis: A comfortable graphical user interface for controlling smart homes

07/2016 – 08/2016

City University of Hong Kong

Summer school, Android mobile app development

Languages

- **Czech** (native speaker)
- **English** (B2/C1)

Interests

- Private development to support self-employed professionals
- Apartment building revitalization as a member of the owners' association board
- RC model cars and boats, triathlon, F1, motorcycles