Martin Bajcar

Senior Full-stack Developer

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Brno, Czech Republic | Remote / contract

Profile

Full-stack developer with 15+ years of experience delivering web and mobile apps from client brief to launch. I've led small teams, mentored junior developers and helped teach at Czechitas.

Preferred technologies for web development include NestJS, React and PostgreSQL, with Elixir and Phoenix becoming recent favourites.

Current focus includes AI-powered applications and agent systems, with an emphasis on secure development practices, software quality and long-term maintainability.

Technical Experience

Hands-on experience with the following technologies and tools:

Frontend: TypeScript, React, React Native, TanStack
Backend: Node.js, NestJS, Express, Elixir/Phoenix, REST, GraphQL, OAuth 2.0/OIDC
Data & Infrastructure: PostgreSQL, MongoDB, RabbitMQ, GCP, Docker, Fly.io
AI & Integration: RAG, MCP, MLflow, evals
Development Tools & Practices: System design, code reviews, mentoring, testing, CI/CD

Professional Experience

Alaigned.com Feb 2026 - Jul 2026

Full-stack Developer | Contract, remote

Company / product: *Strategy management platform for defining company strategy, aligning priorities across teams and evaluating strategic progress.*

Key contributions

- Delivered features end to end, from customer discussions and requirements definition through implementation, testing and deployment.
- Designed and developed a harness for AI coding agents, integrating skills, domain rules, review gates, automated testing and release workflows, with an emphasis on security, performance and correctness.

Enmon Technologies Jan 2023 - Jan 2026

Full-stack Developer / Team Lead | Contract, remote

Company / product: *Energy management platform for collecting meter data, analysing consumption and costs, tenant billing, alerts and carbon footprint reporting.*

Key contributions

- Helped design the platform’s architecture and built features across its backend, web and mobile applications.
- Developed automated report submission to OTE, the Czech electricity and gas market operator.
- Built automated processing and billing calculations for energy invoices and corrective invoices.
- Implemented support for OpenID Connect authentication.
- Led the team, with responsibility for developers' long-term learning and professional development.

24i Apr 2021 - Dec 2022

Full-stack / React Native Developer | Contract, remote

Company / product: *Provider of streaming platforms and multi-device applications for broadcasters, media companies and pay-TV operators.*

Key contributions

- Developed streaming apps for iOS, Android, web and smart TVs using a shared React Native codebase in a monorepo.
- Integrated a third-party data provider into the streaming platform.
- Developed an automated pipeline for building, testing and releasing web, iOS and Android applications.

Lemonitech Jun 2019 - Apr 2021

Full-stack Developer / Team Lead | Contract, remote

Company / product: *Client projects spanning web, mobile and full-stack applications.*

Key contributions

- Led the refactoring of a Vue-based CMS from JavaScript to TypeScript and its subsequent rewrite in React.
- Improved developer experience and maintainability, introducing code generation for the data layer.
- Developed multiple mobile and full-stack applications for cleaning and security services, covering backend, frontend and mobile components and automating reporting and inspection workflows.
- Led frontend development of an open-source electronic records management system, with hands-on implementation in React and TypeScript.

ProSiebenSat.1 Media SE Nov 2016 - Mar 2020

Full-stack Developer | Contract, remote

Company / product: *7Pass, a central registration and single sign-on service providing one account across ProSiebenSat.1's digital services.*

Key contributions

- Implemented OAuth 2.0 and OpenID Connect, then migrated the platform to node-oidc-provider.
- Built customisable login pages and Seneca.js microservices.
- Implemented graceful shutdown so workers could restart without dropping in-flight requests.
- Led development of Bonus4Me, ProSiebenSat.1's discount and voucher platform.

AVG / Avast Apr 2011 - Dec 2016

Junior to Senior Developer

Company / product: *Internal platform for automated test reporting across engineering teams.*

Key contributions

- Progressed from junior developer to the senior owner of the platform.
- Built Node.js and AngularJS/React applications; containerised services with Docker and integrated databases, messaging and Active Directory-based access control.

Education and Languages

Brno University of Technology, Faculty of Information Technology

Master's degree, Computer Networks and Communication | 2009 - 2012

Bachelor's degree, Information Technology | 2006 - 2009

Czech: native | English: professional working proficiency