Kamil **Grabowski**

Full-Stack Developer

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Summary

Full-stack Developer with 5+ years of commercial experience and a strong frontend focus. Experienced in building applications with React and TypeScript, as well as working with other frontend frameworks such as Vue and Angular. Worked in cloud-based environments, contributing to backend APIs, serverless logic and AWS integrations.

Work Experience

Transmission Dynamics

Office

Full-Stack Developer

Jan. 2026 - Present

- Developing a vehicle warning system for industries such as aviation and railway.
- Working with intelligent sensors and real-time data processing.
- Building and maintaining full-stack solutions integrating hardware data with scalable web applications.

SmartSource

Remote

Frontend → Full-Stack Developer

Oct. 2021 - Jan. 2026

- Joined as a Frontend Developer and gradually expanded responsibilities to full-stack development.
- Designed and implemented backend APIs, databases and cloud-based solutions, including AWS serverless components.
- Delivered production features across 5 concurrent client projects.

Selected Projects

Laboratory Instrument Booking System

Remote

Full-Stack (AWS Serverless) Developer

Sept. 2024 - Present

- Web platform for managing laboratory instruments - bookings, availability tracking, and timeline/calendar views - with role-based access control and external integrations.
- Prepared technical designs/ADRs for new features and drove implementation from proposal to release in an Agile setup.
- Worked across a multi-repository ecosystem of front-end applications and backend services supporting the platform.
- Designed and maintained a serverless backend on AWS; managed infrastructure as code in Terraform.
- Implemented GraphQL APIs (AppSync) and Lambda business logic in Node.js + TypeScript.
- Delivered features for booking workflows, availability/status logic, access management, notifications, and real-time updates (WebSockets).

Tech stack: AWS (AppSync/GraphQL, Lambda, API Gateway, Cognito, DynamoDB, SQS, SES, and related services), Terraform, React, TypeScript.

Tax Settlement System (PIT Application)

Remote

Frontend Developer (with backend contributions)

- Large-scale system for personal income tax (PIT) settlements, featuring complex business rules, strict validation, and annual releases to comply with changing tax regulations.
- Developed frontend features in Vue 3 + TypeScript, building forms and rule-driven UI flows.
- Maintained .NET (C#) backend services and calculation logic; integrated with SOAP (XML/WSDL) web services.
- Delivered yearly regulatory updates: introduced new PIT document types and adjusted calculation/validation rules based on legal changes.
- Contributed to a large-scale Vue 2 → Vue 3 migration while keeping business-critical functionality stable.

Tech stack: Vue 3, Vuex/Pinia, TypeScript, .NET (C#). APIs: SOAP (XML/WSDL).

Medical Clinic Management Platform (eClinic)

Remote

Full-Stack Developer

- Built and maintained a healthcare management platform in an Nx monorepo with 3 frontend applications and multiple backend services.
- Developed frontend features in Angular + RxJS, using reactive patterns (Subjects/Observables) for complex UI state and data flows.
- Implemented and integrated backend services in Node.js / NestJS, delivering API endpoints and business logic.

Tech stack: Nx, Angular, RxJS, TypeScript, Node.js, NestJS, MongoDB.

High School Enrollment Platform

Remote

Frontend Developer (with legacy JAVA/JSF maintenance)

- Micro-frontend web application supporting enrollment into secondary schools. The project focused on incremental migration from a legacy Java/JSF system to React, delivering new functionality while keeping the existing platform stable.
- Implemented new UI features and reusable React components (TypeScript), integrated with backend APIs.
- Maintained and enhanced legacy Java/JSF modules to support the migration and ongoing business needs.
- Created end-to-end automated tests in Cypress to protect key user flows during refactoring.
- Collaborated with the team on the transition toward a modern micro-frontend architecture.

Tech stack: React, TypeScript, Java (JSF), Cypress, Micro-frontends.

Skills

Front-end	TypeScript, React, Next.js, Redux, Vue, Vuex, Angular, Micro-frontends, Chart.js, MUI, Tailwind CSS, PrimeReact
Back-end	Node.js (NestJS, Express), REST APIs, Java (JSF), PostgreSQL, MongoDB, GraphQL
Cloud & DevOps	AWS (Lambda, DynamoDB, AppSync, EventBridge, CloudWatch, S3, WAF, IAM, Cognito, SQS, SNS), Terraform, Docker
Tooling	Git (GitLab, GitLab CI/CD), Jenkins, Webpack/Vite, Jest, Cypress
Languages	Polish (native), English (advanced)

Education

The John Paul II Catholic University of Lublin (KUL)

Lublin, Poland

Bachelor's degree in Computer Science

Aug. 2020 - Aug. 2023