Piotr Zięcina

Full Stack Developer

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PROFESSIONAL SUMMARY

Full Stack Developer with 4+ years of experience building web applications, reusable UI component libraries, and backend systems using React, Vue.js, TypeScript, Node.js, and Scala. Proven track record leading development teams, delivering client-facing platforms from discovery through production, and improving code quality through unit testing, security audits, and CI/CD automation.

TECHNICAL SKILLS

Frontend: React, Vue.js, Next.js, TypeScript, SSR/ISR, PWA, Web Push, Tailwind CSS, Gatsby, Bootstrap, HTML, CSS

Backend: Node.js, NestJS, Strapi, MySQL, PostgreSQL, Prisma, TypeORM, REST, GraphQL, WebSockets, Scala

Cloud & DevOps: AWS, Docker, Terraform, CI/CD, GitHub Actions, Caddy, VPS (Hetzner)

Testing & Quality: Jest, Unit Testing, Dependency Auditing (npm audit)

Tools & Integrations: Figma, Redis, BullMQ, Amplitude, Stripe API, PayPal API, SEPA Direct Debit

AI: In-house LLM integration via API (SmartBear), AI agents in Claude: plan mode, agentic workflows, spec-driven development, custom skills and requirements in Markdown

PROFESSIONAL EXPERIENCE

Software Developer | SmartBear | 2024 – Present

Built features on the company's in-house LLM: requests to its API and handling the responses in the product.

Reflect — AI-powered automated testing platform (15 months) | Team of 9 developers, 3 product managers, 1 engineering manager

Tech stack: Vue.js, TypeScript, Scala, TypeORM, MySQL, WebSockets, LLM integration, AWS, Terraform, CI/CD (GitHub Actions), Jest, Amplitude, Stripe API, Figma

- Added CSV upload support enabling batch test execution with variable substitution, reducing manual repetition for clients running data-driven test suites.
- Independently designed and built an end-to-end endpoint (frontend and backend) that returns test data by test ID, becoming the primary lookup tool used by the customer support team.
- Implemented Amplitude analytics tracking independently, centralizing usage data across SmartBear products.
- Contributed to extracting the API-testing module into a standalone product ("API Hub").
- Built approximately 10 reusable UI components (tables, inputs, buttons) based on the Reflect Design System, in collaboration with the design team's Figma specifications.

Visual Test — AI-powered pixel-level image comparison tool (9 months) | Team of 5 developers, 2 managers

Tech stack: React, Next.js, Node.js, NestJS, TypeORM, MySQL, WebSockets, LLM integration, AWS, Terraform, CI/CD, Jest, Unit Testing, Dependency Auditing, Figma

- Reduced security vulnerabilities by 40% through systematic dependency audits (npm audit, GitHub security alerts) and version upgrades.
- Reduced technical debt by 35% by adding unit test coverage across roughly 70% of the codebase.
- Contributed to integrating the product's core image-comparison functionality into a sibling internal product.
- Triaged customer-reported issues across both Visual Test and Reflect, distinguishing user error from genuine bugs and collaborating with product managers to create Jira tickets for backlog and sprint planning.

Full Stack Developer | Ampcasd | 2022 – 2024

Tech stack: Next.js (React), Strapi (Node.js), NestJS, MySQL, GraphQL, Tailwind CSS, PayPal API, SEPA Direct Debit, German fiscal integration

- Led a team of 4 developers building a custom CMS (Strapi) and Next.js web platform for a cultural center client in Germany, from client discovery through production launch within approximately 1 year.
- Delivered self-service features for class registration, subscription purchases, room bookings, and concert ticket sales, replacing the client's previous system.
- Integrated PayPal, the German fiscal reporting system, and SEPA direct debit payment processing.
- Built the full account UX layer, including registration, password reset, email verification, and subscription-expiry notifications.
- Grew the platform to 1,600+ registered users and 1,800+ subscriptions sold.

Electrical Supervisor | KNAPP | 2019 – 2022

- Supervised the construction of automated warehouse and shipping systems for clients including Tiffany, UNFI, Kroger, Adidas, and M&S.

PERSONAL PROJECTS

Stable Management System (Stajnia Lauden) | Personal Project for a Real Client | 2026 – Present

Tech stack: Next.js (React, App Router), TypeScript, Tailwind CSS, NestJS, Prisma, PostgreSQL, PWA & Web Push, Docker, Caddy, GitHub Actions, Jest, Supertest

- Designed, built and deployed a production Progressive Web App (PWA) for a horse boarding stable with 60+ boxes, used daily by the owner, stable staff, trainers, horse owners and lessees to coordinate service orders, feeding and turnout instructions.
- Built a NestJS + Prisma/PostgreSQL REST API with role-based access control for five user roles, email verification, password reset and secure photo uploads.
- Implemented the billing domain: one-time and monthly subscription services, monthly boarding, camera and lease fees, net/gross VAT handling and cash/transfer balances, with scheduled jobs (cron) for daily tasks, monthly charges and reminders.
- Delivered a mobile-first Next.js frontend with large, accessible UI for older users, wall-mounted display screens for feed rooms and paddock exits, and Web Push notifications for staff and owners.
- Covered the backend with 130+ unit and 100+ end-to-end tests (Jest, Supertest) and set up CI/CD with GitHub Actions, deploying Docker Compose to a VPS with automatic HTTPS, pre-deploy database backups and data-safe migrations.
- Worked directly with the client: gathered requirements, turned feedback into small iterations and shipped frequent production releases.

Home Construction Budget Application | Personal Project | Ongoing

Tech stack: Next.js, NestJS, Redis, BullMQ, Stripe API, JWT, Docker, GitHub Actions

- Designed and built a full-stack application solving a real problem: the lack of a simple tool for tracking home construction budgets and documentation.
- Built a modular NestJS backend with JWT authentication, payment processing, report generation, and notifications, paired with a Next.js frontend using server-side rendering.
- Implemented background job processing with Redis and BullMQ for PDF report generation and integrated subscription payments using Stripe.
- Containerized the application with Docker and set up a CI/CD pipeline using GitHub Actions for automated testing and deployment.

EDUCATION

Bachelor of Science in Electronics and Telecommunications Engineering

Wrocław University of Science and Technology | 2012 – 2017

LANGUAGES

Polish: Native

English: B2, used daily in an international team