

Szymon Pulut

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Experience

Microsoft

Full Stack Software Engineer

Remote | Warsaw, Poland

08.2023 – now

- Engineered Microsoft's internal monitoring and observability platform, a mission-critical tool used for maintaining services like MS Teams, MS Office, and Skype
- Collaborated closely with cross-functional teams and co-led the planning (writing design docs & leading discussions) and early implementation phases of transitioning the internal tool into a publicly available platform
- Introduced innovative strategies for optimizing frontend performance, resulting in measurable improvements in response times and user experiences
- Tech stack: TypeScript, React, Node.js, Express.js, Redux, GraphQL, Chart.js, Jest, React Testing Library, Azure

Sumo Logic

Frontend Software Engineer II

Remote | Warsaw, Poland

07.2022 – 08.2023

- Developed Sumo Logic's cloud-native observability platform for large-scale applications utilizing OpenTelemetry, resulting in enhanced monitoring capabilities and improved operational efficiency
- Pioneered Distributed Tracing & Performance Monitoring features – handling ~1000 queries/second
- Built data-driven dashboards and charts (RxJS, CanvasJS) to visualize datasets with 1000's of datapoints
- Maintained an open-source Real User Monitoring JS script – tool with one-line-of-code integration empowering other software engineers to easily monitor and optimize web application performance
- Ensured a high level of code quality with 80% UT/IT coverage (Jest, React Testing Library, Cypress, Playwright)
- Implemented state management techniques optimized for efficiency with data streams (Redux, RxJS, Redux-Observable) enabling smooth handling of 10's simultaneous requests (background data fetching, polling)
- Spearheaded a successful hack-week project that migrated the frontend from Lerna packages to micro-frontends using RushJS monorepo and Module Federation and received recognition for this project (1st place award)
- Shared expertise by presenting on "Improving the performance of Redux hooks", "Type safety for API responses using zod/io-ts", contributing towards better efficiency and at least 10% reduced test failure rate
- Tech stack: TypeScript, React, Redux, RxJS, CanvasJS, Jest, React Testing Library, Cypress, Playwright, AWS

Tango Digital Agency

Frontend Tech Lead

Frontend Software Engineer

Remote | Cracow, Poland

01.2022 – 07.2022

06.2020 – 07.2022

- Played a pivotal role in a tight-knit team, collaborating on the development of web applications and prototypes, including the successful delivery of 3 MVPs and 1 major application
- Headed a team of 3 frontend engineers developing a B2B coffee marketplace (~1000 active users), including code reviews, enforcing best practices, feature planning, gathering, and negotiating requirements
- Planned and engineered large-scale integrations with 3rd parties (e.g., Stripe payments, Algolia omnisearch)
- Used HTML5, CSS3, and component libraries (Ant Design, Material-UI) to build an eye-pleasing and accessible user experience, compatible across all modern browsers, and devices (desktop & mobile friendly)
- Created Docker & Terraform configuration to deploy projects to the cloud – AWS (S3, CloudFront, Lambda, ECS), built CI/CD pipelines using CircleCI for new and existing projects – reduced build time by 75%
- Tech stack: TypeScript, React, React Query, io-ts, Cypress, Next.js, Ant Design, Node.js, AWS

Own projects

IoT Dashboard

Demo: szymonpulut.com/images/iot-dashboard.png

- Designed and launched a full-stack web application to display and interact with a custom smart home system
- Architected a system where the React frontend seamlessly interacts with an on-premise Node.js backend server through GraphQL, utilizing HTTP for queries and WebSockets for subscriptions
- Implemented the Node.js server integrations with external APIs (weather, air quality, Google Calendar) through REST & MQTT broker via WebSockets, enabling messaging queue capabilities and “smart” device control
- Repository: github.com/szymonpulut/IoT-Dashboard

Personal webpage & blog

Live: szymonpulut.com

- Created a minimalistic mobile-first personal webpage with blogging features in TypeScript, React, Next.js (SSG)
- Formed CI/CD pipelines for efficient automatic deployments and linting using GitHub Actions & Pages
- Repository: github.com/szymonpulut/szymonpulut.github.io

Education

Jagiellonian University

Computer Science – Bachelor Studies

Cracow, Poland

10.2018 – 06.2021

- Due to personal reasons, dropped out before finishing degree

Others

- Touched on mobile app development (React Native, native iOS & Android – Swift & Java)
- Programmed Arduino & Raspberry Pi devices connected via MQTT as a part of hobbyist coding
- Learned Scala as an intro to functional programming
- Bilingual – native Polish & English. Currently learning German at B1 level

GDPR

I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).