Szymon Pulut

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Work experience

Acting Frontend Team Leader   **01.2022 – now**
Frontend Software Engineer (TypeScript, React)   **06.2020 – now**
Tango Digital Agency   *Cracow, Poland*

- Worked in a small team creating web applications and prototypes in newest technologies (3 MVPs, 1 big app)
- Headed a team of 3 frontend engineers developing a B2B coffee marketplace (~1000 active users), including code reviews, feature planning, gathering, and negotiating requirements with management and other teams
- Developed and maintained applications with lots of reusable UI features in React, TypeScript (JavaScript) with React Query, io-ts as an API connection layer
- Used HTML5, CSS3 (incl. flexbox & grid), 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)
- Planned and implemented integrations with 3rd party systems (e.g., Stripe payment system, Algolia omnisearch)
- Advocated for and introduced Cypress E2E tests to automate smoke testing – 100% of high priority paths tested
- Designed high-throughput, performance oriented, scalable, error-resilient frontend architecture
- Created Docker & Terraform configuration to deploy projects to cloud – AWS (S3, CloudFront, Lambda, EC2), built CI/CD pipelines using CircleCI for new and existing projects – reduced build time by 75%
- Co-authored concise, detailed technical documentation for new features and changes in architecture

Relevant experience

Tablet Dashboard (own project)   **02.2020 – 06.2020 & now**

- Developed a web application to display and interact with my custom smart home system (TypeScript, React)
- Integrated with external weather, air quality, and covid-19 data APIs, Google Calendar API, MQTT (messaging queue) broker (enables control of other smart devices)
- A GIF with a quick demo is available here – szymonpulut.com/td-gif

Internship – "tANS compression on FPGA devices"   **07.2018 – 02.2019**
Jagiellonian University   *Cracow, Poland*

- Collaborated in a 2-person group and created a compression device using C and C++ (07.2018 – 09.2018)
- Earned 3rd place award for the best project at FPGA Symposium in Cracow – poster session & live demonstration (09.2018)
- Adapted for use with J-PET (Positron Emission Tomography) – real time compression (09.2018 – 02.2019)

Education

Computer Science – Bachelor Studies   **10.2018 – 06.2021**
Jagiellonian University   *Cracow, Poland*

- Due to personal reasons, I dropped out before finishing degree
- Courses: object-oriented programming, data structures & algorithms, web app development, computer networks, computer architecture, operating systems, database architecture & design

Others

- Touched on mobile app development (React Native, Swift, Java), backend development (Node, Postgres, PHP)
- As a part of my hobbyist coding, programmed Arduino & Raspberry Pi devices (also worked with electronics)
- I am bilingual – native Polish & English. I am currently learning German at B1 level