ALEKSANDRA BIELAK

LEAD FRONTEND SOFTWARE ENGINEER

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PROFILE INFO

I'm a Lead Frontend Developer (Angular/React/Vue) based in Kraków, Poland.
I'm fond of clouds - I work with Azure and AWS, and I also host personal projects on GCP.
My favorite framework is Vue.js, and my preferred backend stack is Node.js with TypeScript.
Recently, I've been working more and more with React and React Native.
I enjoy using Nx for monorepo structuring - for it is a great power, and even greater responsibility.
In my free time, I play games (mostly strategy games) and volunteer with the Polish Endometriosis Foundation.

MY SKILLS

PROFESSIONAL SKILLS

- Languages: JavaScript, TypeScript, Python, Java, PHP (beginner)
- Tools: React.js, React Native, Vue.js (2+3+SSR), Angular (8+), Svelte (beginner), Express.js, routing-controllers, Nx, lerna, ngrx, akita, RxJS, Vite, Webpack, Rollup.js, Wordpress
- Databases: PostgresSQL, MongoDB
- Code quality: Jest, Cypress, Playwright, Storybook

LANGUAGE SKILLS

- Polish (native)
- English (B2)

SPEAKING & WRITING

- [Blog] [ENG] Animate your SVG text with animejs (and Vue)
- [Blog] [ENG] Create elegant OpenAPI spec documentation with Rapi Doc and Vitepress
- [Talk] [PL] Monorepo - great tool to manage your codebase discipline your coders!
- [Talk] [PL] Why is it (not) worthy to learn Vue.js?

MY EDUCATION

AGH UST IN KRAKÓW

APPLIED COMPUTER SCIENCE

2014-2018
Bachelor of Engineering
Vice-president of the KERNEL Student Research Group, created an IoT system called EWA

WORK EXPERIENCE

SPYROSOFT SA

LEAD SOFTWARE ENGINEER

SPYROSOFT SA
SEPTEMBER 2023 - NOW

- I lead a team of frontend engineers, managing their daily work and collaborating with other technical leads (UX, Backend, QA, other Frontend teams)
- I scaled and maintained a Nx monorepo architecture supporting four React web apps and a React Native mobile app, stack: React.js, React Native, React Query, RX.js
- I designed a framework-agnostic data layer shared across platforms, enabling faster development of features across web and mobile
- I designed and developed interactive graph (drag & drop, SVG, Cytoscape, React Flow)

SENIOR SOFTWARE ENGINEER

JANUARY 2022 - SEPTEMBER 2023

- I worked on flexible monorepo frontend. I used React.js for UI layer, RX.js + akita for data layer, DDD, nx for architecture
- I conducted technical verifications for new candidates

SOFTWARE ENGINEER

JULY 2020 - DECEMBER 2021

- I created a standalone micro-app responsible for visualizing data in the grid (based on ag-grid) in Angular 8.
- I created custom TypeScript framework and setup build in Rollup.js to create app working with HbbTv standard.
- I joined a team working on React Native application. I created animated views with navigation, stack: React Native, Redux Saga, i18next

MOTOROLA SOLUTIONS SYSTEMS SP. Z O.O,

SOFTWARE ENGINEER

MARCH 2019 - JUNE 2020

I participated in moving a desktop tool for historical reporting to the cloud. I was responsible for the frontend layer and helped backend developers with creating microservices in Spring Boot. Occasionally, I helped DevOps Engineers in some deployment work (in python). For some time, this tool was developed using Tableau BI

SOFTWARE DEVELOPER

MAY 2018 - MARCH 2019

I created a new, web version of the real-time monitoring dashboard. I developed frontend in Angular and backend in JavaEE

JUNIOR SOFTWARE ENGINEER

JULY 2017 - APRIL 2018

I joined the team of backend engineers creating a new version of the real-time monitoring dashboard. I was responsible for adding new features to the backend written in JavaEE

COMARCH

INTERN

JUL 2016 - AUG 2016

Creating ORM based on myBatis and JPA