

Piotr Karczewski

Full-stack web developer

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Profile

Full-stack web developer with over 3 years of hands-on experience in all steps of a digital product's development process. Proficient in prototyping, developing and maintaining data-driven apps, widgets and static websites with strong focus on performance, accessibility and visual appeal. Experienced in navigating multi-product and inter-disciplinary environments remotely and in person. Passionate about collaboratively pushing the boundaries of web in search of new user experiences.

Experience

Full-stack Web Developer | vnLab

July 2021 - Present | Remote/Lodz, Poland

- Collaborated on prototyping and implementing an internal Gatsby based meta-framework and a set of designer-created templates for publishing web publications allowing Lodz Film School to release a variety of their work online in a modern format.
- Worked on a commission for a paperless web vernissage brochure for an art gallery exhibition based on the meta-framework, which allowed the gallery to cut down on costs.
- Led a team of developers in implementation of an Electron based desktop app to support the editing process of web publications and simplify the git flow for redactors.
- Project-managed and assisted a class of students during their Competence Project semester as a part of cooperation between Technical University of Lodz and vnLab.
- Co-chaired a 3 part series of open-invitation seminars ("Web Publications Today") in Warsaw to brainstorm the vision for this medium in the future and its technological challenges.
- Co-facilitated a talk ("Web publications & reading in digital culture") during 2023 Mozilla Festival, which allowed vnLab to connect with like-minded people from around the world and discuss the topic in a wider context.
- Contributed to designing web publications with experimental user experiences and implemented 2 such projects in Astro, which helped vnLab establish the vision for future growth.
- Worked in a decentralised 3 person team to produce a multi episode "scrolly-telling" experience commissioned by National Institute of Historic Preservation.

Skills

Development

JavaScript, TypeScript, HTML, CSS, React, Redux, SQL, GraphQL, Astro, Gatsby, Electron, Remark, Jest, Playwright, Git, Web Components, Tailwind, GSAP, Framer Motion, Radix, React Aria, MUI, Styled Components, Ruby, Ruby on Rails

Technical

SEO and structured data, SSR/SSG mindset, Optimization for high Lighthouse scores, Accessibility principles

Interpersonal

Teamwork, Public speaking, Open-mindedness, Motivation, Patience, Organisation, Attention to detail

Tooling

GitHub, GitLab, Jira, Figma, Adobe XD, VS Code, Miro, Notion, Obsidian, Teams, Slack

Languages

Polish - Native
English - Fluent
German - Basic

Interests

Following web development evolution , Formula 1, Simracing, Volleyball, Travel

Freelance Web Developer | Energenious

January 2021 - December 2022 | Remote/Berlin, Germany

- Helped identify drawbacks of existing user experience to kick-start a redesign process of a sector coupled energy planning and managing platform.
- Resolved immutability breaching bugs in app's Redux store in order to improve the stability of the app.
- Worked on configuring an existing React single-page app into a Progressive Web App to allow installation on computers and distribution through Microsoft Store.
- Designed and implemented a more approachable visual network map and system graph by simplifying the first-time user journey and lowering the entry level for the platform.
- Collaborated on prototyping and developing a micro-frontend web spreadsheet widget in React for internal usage and integration into 3rd party platforms, allowing Energenious to meet the needs of their IoT companion company.
- Conceptualised and created a feature allowing Energenious to export PDF reports from the platform for presenting system simulation results to partners in an easily digestible way during in person meetings.
- Integrated the web spreadsheet widget into the platform to create dashboards allowing users to compare different simulation scenarios with data visualisation based on a GraphQL API.

Full-stack Intern | BinarApps

July 2019 - August 2019 | Lodz, Poland

- Partook in the initial project scope definition stage with stakeholders.
- Worked in a Scrum team to implement an MVP of the product.
- Implemented API endpoints in Ruby on Rails and created interactive user interface elements in React.

Education

Lodz University of Technology

Faculty: International Faculty of Engineering **Field:** Information Technology **Degree:** BEng
September 2018 - February 2021 | Lodz, Poland

- Worked in a group of international students to create an educational platform in Ruby on Rails using problem based learning method.

Saxion University

Faculty: Erasmus Exchange **Field:** European Project Semester
February 2020 - August 2020 | Enschede, Netherlands

- Led a multidisciplinary and multilingual team of students contracted to create a biosensor and a web application monitoring IoT devices from AllThingsTalk Maker platform and alarming upon undesired activity.
- Communicated with external stakeholders such as Enschede Police Department, sensor producing company Sodaq and data aggregation company IMD.