Lukasz Zatyka

Software Engineer

PROFILE

Innovative web developer with over 5 years of experience in building scalable, user-friendly interfaces for monitoring platforms and product booking systems. Skilled in TypeScript, React, and reusable UI components. Currently expanding expertise in data science and AI through postgraduate studies, focusing on Python, machine learning, and LLM-based workflows. Passionate about integrating AI-driven solutions into web development to create efficient, intelligent, and sustainable digital products.

CONTACT

- Warsaw, Poland
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- aigreener.com

LANGUAGES

Polish: Native language

English: Advanced (B2/C1)

Ukrainian: Elementary (A1)

💼 EXPERIENCE

🌿 AI Greener

Project Developer / Freelancer
05/ 2021 - Present

Notable Projects:
nubinnoconnect.com: Startup in the pharma domain focused on data exchange for medical products. Key responsibilities:
- Developing a high-performance, filterable data table with ~30 dynamic columns
- Leading comprehensive UI refactoring focused on responsiveness, accessibility (a11y), internationalization (i18n), and unifying repetitive components

Tech Stack: Next.js, TypeScript, Redux Toolkit, Nest.js, PostgreSQL (TypeORM), Redis, shadcn/ui, react-hook-form, Yup

fugu-sushi.pl: Sushi restaurant with a Web Application (RWD) that allows for online reservations and delivery orders. Key responsibilities:
- Coordinating the implementation of the web application with an online ordering system
- Automating data workflows using Make.com with potential for AI integration
- Setting up web analytics and data tracking using GTA and GA.

Tech Stack: Airtable, Make.com, Google Tag Manager/Analytics/Search Console, UpMenu CMS

⬤ CodiLime Sp. z o.o.
2 years 10 months

Frontend Engineer
05/ 2021 - 03/2024

Notable Projects:
selector.ai: UI portal for real-time monitoring, visualization, and management of complex network and cloud infrastructure systems. **Case Study**
Key responsibilities:
- Designed and implemented interactive dashboard widgets, including a Donut Chart with contextual tooltips and a Big Text indicator
- Built a modular toast notification system for application-wide messaging
- mplemented a right-click long-press (onContextMenu) with loading state to trigger a drill-down widget preview for efficient data inspection
- Integrating FullStory for user session analysis

Tech Stack: React, MobX, Ant Design, TypeScript, Highcharts, NestJS, MongoDB, TypeORM

fluxninja.com: Startup developed in close collaboration with the client to build an innovative platform for Site Reliability Engineers (SREs), focused on disaster prevention and recovery in Kubernetes (K8s) cloud environments. **Case Study**
Key responsibilities:
- Developed authentication flows, including email-based password reset, registration, and returning user experiences
- Built and maintained scalable design system components using Storybook
- Implemented UI for management panels, including:
  - Navigation components (menus, lists, tabs – vertical/horizontal, sidebar, routing)
  - UI elements like tooltips and breadcrumbs
- Created a user role management interface, covering:
  - Ownership & membership settings
  - User invitations & removals
  - Organization switching
- Delivered a responsive marketing landing page (Next.js) and integrated a Discourse-based community forum

Tech Stack: Material UI, React, TypeScript, Vite, GraphQL, Storybook, react-query, Recoil

TECH SKILLS

Programming languages:

- JavaScript / **Typescript**
- CSS Modules / CSS in JS
- Python

IDE Platforms:

- VS Code / JetBrains / Cursor AI

Databases:

- MySQL, PostgreSQL, SQLite
- Hasura (GraphQL backend), RethingDB, MongoDB

Miscellaneous:

- SEO / SEM / a11y / i18n
- Progressive Web Apps (PWA)
- Responsive Web Design (RWD)
- Atlassian (Jira, Confluence) / Github Projects / Microsoft 365 / ClickUp / Asana / Notion

Reall Sp. z o.o.
6 months

Frontend Developer / UX Designer
04 - 09/ 2019

- Collaborated within an agile team as part of the Google for Startups program to develop a web app aimed at improving the quality of life for elderly users.
- Designed user-friendly mockups and prototypes to address user needs.
- Developed responsive and reusable layouts using the Vue.js framework.
- Supported company operations and planning contributing to strategic decision-making.

Tech Stack: Vue.js · NoSQL · Bootstrap · SCSS · Git · Adobe · ClickUp

PKP Informatyka Sp. z o.o.
1 year 5 months

Senior Web Developer
01/ 2020 - 05/2021

- Developed a new version of the **bilkom.pl** web application.
- Collaborated with the UX team to improve user experience, especially for multi-ticket booking workflows. **Sample Showcase**
- Built modular and reusable frontend components using React.js, integrating MaterialUI for a consistent design system and optimized performance to improve load times by ~ 20%.

Tech Stack: React.js · Redux · MaterialUI · CSS in JS · Git · Figma · Adobe · Atlassian

CRI Poland Sp. z o.o.
1 year 5 months

Solution Owner
10/ 2017 - 03/2019

- Led a digital transformation process, completely overhauling tools and devices based on cloud solutions for the management department to enhance efficiency and streamline operations.
- Managed and supported the ERP Comarch Optima system.
- Managed the company's database server.
- Handled GDPR-related documents and implementation.

Travel Agency
8 years 5 months

CoOwner/ Project Developer
01/ 2009 - 05/ 2017

- Managed sales and digital growth, including dealing with service providers and setting up the office.
- Designed and led projects for **www.najlepszewakacje.pl** focusing on user experience and website coding.
- Created effective email newsletters using HTML/CSS and design software.
- Ran marketing campaigns using SEM, AdWords, GDN, and Facebook Ads.
- Designed various graphics like logos, banners, and landing pages.

♡ Long-distance runs

♡ Adventure books

♡ Surfing

♡ Basketball

♡ Formula 1

ADDITIONAL INFO

• Driving licence

🎓 EDUCATION

2024 - Present

Polish-Japanese Academy of Information Technology
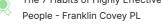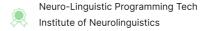Postgraduate Studies (Python - Artificial Intelligence Programming)

2004-2008

Warsaw University of Technology
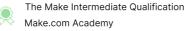Bachelor of Science in Engineering (Mechanics and Machine Design)

📜 COURSES AND CERTIFICATES

AgilePM® (2014) Foundation
APMG International

Digital Garage
Google LLC

The 7 Habits of Highly Effective People - Franklin Covey PL

The Guide To PRINCE2
Metodea

Neuro-Linguistic Programming Tech Institute of Neurolinguistics

Web Services API - stepByStep
Udemy e-learning platform

The Make Intermediate Qualification Make.com Academy

Kanban for Design and Innovation
Kanban University

JavaScript Pro: Advanced Concepts
Udemy e-learning platform

TanStack Query: React Server State Management
Udemy e-learning platform

Artificial Intelligence Fundamentals
IBM SkillsBuild

Working in a Digital World: Professional Skill
IBM SkillsBuild

Data Fundamentals
IBM SkillsBuild

🎓 PROJECTS

AIGreener.com – AI & Web Innovation Hub

Personal platform for exploring the intersection of modern web development and AI-driven technologies. It documents my ongoing journey, including insights from postgraduate studies in Artificial Intelligence Programming.
Notable Projects:
• Object Detection App (TensorFlow.js, React, TypeScript) – Real-time object detection using pre-trained AI models
• Pose Detection App (TensorFlow.js, React) – Gesture-based recognition system
• AI Playground Interface (OpenAI API, Shadcn UI, React, Radix UI) – A customizable interface for prompt experimentation with LLMs
Future Plans:
• Expanding AI-related content, focusing on machine learning applications in frontend development
• Integrating RAG (Retrieval-Augmented Generation) for AI-enhanced search experiences
• Exploring vector databases and prompt engineering for frontend use cases
• Focusing on AI-enhanced, sustainable software solutions - the core idea behind AIGreener