JAKUB KAPAŁA

Software engineer specializing in full-stack web and mobile development. Experienced in machine learning, DevOps, and scalable system design. Passionate about cybersecurity, developer tooling, and applied research.

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EXPERIENCE

Frontend Developer
Aptiv

📅 Jun 2023 – Jun 2025

Led the development of Aptiv Fleet Insights, a next-generation telematics web platform powered by machine learning and advanced data visualization.
Acted as the primary point of contact for stakeholders, translating business needs into technical solutions. Designed and implemented the entire infrastructure and deployment pipeline using Kubernetes (K8s) and Flux.
Took ownership of electric vehicle (EV) use cases—from requirements gathering through implementation. Contributed to backend development, enabling scalable data ingestion and processing. Supported product presentation at CES 2024.

Frontend Developer
Forkflow

📅 Jun 2022 – Jun 2023

Worked on development of iOS app Holder, a portfolio tracker. Developed and maintained one of the first e-commerce websites that used Shopify Hydrogen framework. Automated invoice creation with Slackbot and custom CLI tools

Software Engineer
V-tech Tuning

📅 2022 – 2023

Worked on development of a OCPP-based EV charger dashboard (Accelev EVTUN OCPP Manager). Implemented real-time monitoring features and a responsive user interface. Contributed to backend integration with EV charger hardware and telemetry systems

Junior Frontend Developer
WeAstronauts

📅 May 2021 – Apr 2022

During my time at WeAstronauts I have helped with creation of many blogs, personal websites, e-commerce shops and web applications, primarily using React, Laravel Blade, Sage and WordPress.

Intern
Cisco

📅 May 2021

Completed intensive training in cybersecurity and DevOps fundamentals. Gained foundational knowledge in CCNA, IoT systems, and data center operations. Participated in hands-on labs and workshops.

Junior Frontend Developer
Krakweb

📅 Nov 2020 – Dec 2020

Assisted in frontend development for client websites and applications, gaining initial hands-on experience with modern web development workflows.

SKILLS

React   React Native   TypeScript   JavaScript   Vue   Next.js   Nuxt.js   Hydrogen   Expo   Laravel Blade   Node.js   Express   .NET   FastAPI   Firebase   Python   C#   TensorFlow   PyTorch   MySQL   MariaDB   PostgreSQL   MongoDB   Firestore   Google BigQuery   Tailwind CSS   SCSS   Redux   Vuex   Recoil   GitHub Actions   GCP   Azure   k8s   flux   Slackbot   CLI Tooling

EDUCATION

Computer Science
Technikum Łączności nr 14 w Krakowie

📅 2018 – 2022

Modern Technologies in Forensic Science
AGH University of Science and Technology

📅 2022 – 2023

BEng Computer Science
Cracow University of Technology - PK

📅 2023 – present

Technical Report on alternative fuels and vehicle energy efficiency
doi.org/10.13140/RG.2.2.27734.77126

CERTIFICATES

Implementing and Administering Cisco Solutions (CCNA) v1.0

📅 May 2021

Global Knowledge Belgium - a Skillsoft Company
Certificate ID: 178596

Best Practices for Testing in Software Teams

📅 Dec 2023

BDD, TDD, Gherkin

Sekurak Academy 2023

📅 Jan 2024

Securitum
40 CPE/ECE Points

Sekurak Academy 2024

📅 Jul 2024

Securitum
47 CPE/ECE Points