

Rafał Kusy

Frontend Software Engineer | React · TypeScript · Next.js | Remote

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PROFESSIONAL SUMMARY

Frontend Software Engineer with 4+ years of experience building scalable web applications in React.js, TypeScript, and Next.js. At MicroStrategy, contributed to an enterprise analytics tool used by global clients and led frontend development on Orange — a blockchain identity verification project presented by CEO Michael Saylor. Experienced in Redux Toolkit, RTK Query, WebdriverIO test automation, Docker, and code review workflows. Thrive in cross-functional, fully remote teams where clean architecture and developer experience matter.

TECHNICAL SKILLS

Languages:	JavaScript (ES6+), TypeScript, HTML5, CSS3, Java, PHP
Frameworks & Libs:	React.js, Next.js, Redux Toolkit, RTK Query, Node.js, PrestaShop
Testing:	WebdriverIO, automated end-to-end testing
DevOps & Tools:	Docker, Docker Compose, Git, GitHub, VPS Administration
Methodologies:	Agile/Scrum, Code Review, REST API, CI/CD

PROFESSIONAL EXPERIENCE

MicroStrategy

Software Engineer

November 2022 – November 2024 · Warsaw (Remote) · 3 years 8 months total tenure

MicroStrategy Workstation:

- Developed React plugin components for MicroStrategy Workstation, an enterprise-grade analytics platform used by global clients, as part of a 7-member frontend team
- Maintained and modernized undocumented legacy React plugins with no prior knowledge transfer, independently reverse-engineering existing codebases and migrating them to current framework standards
- Integrated RTK Query (Redux Toolkit) to standardize API request handling and data caching, replacing ad-hoc fetch logic across the application
- Conducted quarterly security reviews to identify vulnerabilities in React and Node.js codebases, ensuring production environment remained free of critical issues
- Updated and maintained React and Node.js library dependencies, resolving breaking changes and ensuring compatibility across the plugin ecosystem
- Performed regular code reviews and created software engineering (SE) designs to align implementation with architectural standards
- Resolved technical blockers for team members, contributing to uninterrupted sprint delivery in an Agile workflow

Orange — Blockchain Identity Verification (internal MVP):

- Contributed to 'Orange,' a blockchain-based identity verification MVP presented by CEO Michael Saylor, building the administrator panel in Next.js
- Collaborated directly with a UX designer to implement UI from design specs, ensuring pixel-accurate delivery
- Prepared Docker Compose configuration to streamline local frontend development environment setup for the team

MicroStrategy

Associate Software Engineer

April 2021 – November 2022 · Remote

- Promoted to Software Engineer after 1 year 8 months based on demonstrated technical growth and contributions

VirtuallySmart

JavaScript Developer

May 2019 – September 2019 · Łódź, Poland

- Participated in technology selection and architecture planning for a proprietary e-commerce platform (PrestaShop-class)
- Developed admin panel features for the e-commerce platform using React.js
- Contributed to bug fixing and maintenance of a POS/terminal system for a restaurant-casino environment

Lodz University of Technology (Politechnika Łódzka)

Software Developer – Cybercrime Research Project

March 2018 – June 2019 · Łódź, Poland

- Selected among the entire year cohort to contribute to a confidential project developed in collaboration with Polish Law Enforcement
- Implemented disk scanning logic in Java for a non-invasive forensic tool designed to detect files matching law enforcement hash blacklists

PROJECTS

Fashion E-commerce Store

Owner & Developer

2020 – 2024 · Personal Project

- Provisioned and configured a VPS server, deploying a PrestaShop e-commerce platform from scratch for a women's fashion store
- Developed a custom Facebook Shop exporter integration, enabling automated product feed synchronization with Facebook Marketplace
- Customized store theme through PHP modifications to match brand visual identity
- Managed full store operations including product catalogue, payments, and fulfilment — achieving several hundred transactions

EDUCATION

Lodz University of Technology (Politechnika Łódzka)

Engineer's Degree – Computer Science

2015 – 2020 · Łódź, Poland

Cosinus School (Szkoła Cosinus) — Łódź

Vocational Qualifications – IT Technician (Technik Informatyk)

2014 – 2016 · Łódź, Poland

- INF.02 — Administration and operation of computer systems, peripheral devices and local computer networks
- INF.03 — Creating and administering websites, web applications and databases

HONORS & AWARDS

- Best Game in Entertainment Category — AprilisJam (Game Jam)

LANGUAGES

Polish: Native

English: Professional Working (B2/C1)