

Rafal Zacher

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Professional Summary

Software Engineer and Computer Science graduate specialising in building scalable, high-performance web applications. Experienced in full-stack development, system architecture, and legacy platform migration, with a strong focus on performance, reliability, and maintainability. Currently operating as a solo technical founder, owning development, infrastructure, and deployment end to end.

Key Skills

- **Languages:** Java, Python, C++, JavaScript, TypeScript
- **Frontend & Web:** React.js, Next.js, Tailwind CSS, responsive web development
- **Databases:** SQL & NoSQL
- **DevOps & Infrastructure:** Docker, Cloudflare
- **Tools & Practices:** Git, UML diagrams, Trello, CI/CD awareness
- **Operating Systems:** Windows, Unix/Linux
- **Methodologies:** Agile development, SDLC, testing strategies

Employment Experience

Signet | Co-founder & Chief Technology Officer

Jan 2025 – Present

- Define and lead the company's technical vision, system architecture, and long-term development roadmap.
- Design, develop, and maintain all frontend and backend systems as the sole technical contributor.
- Establish and apply best practices for code quality, security, testing, and deployment across the platform.
- Translate stakeholder, market, and product requirements into scalable, production-ready technical solutions.
- Manage infrastructure, deployments, and ongoing system reliability end to end.

World Duty Free (Avolta) | Master Data Specialist

Nov 2024 – Aug 2025

- Manage and maintain the ticketing system to resolve issues related to UK and Ireland stock sold across airports, ferries, and retail locations.
- Ensure the integrity and accuracy of master data by validating requested changes to product descriptions, pricing, and metadata.
- Oversee the creation and maintenance of vendors, clients, and customer accounts to support seamless payment and operational processes.
- Collaborate with cross-functional teams to ensure data consistency, accuracy, and compliance with business requirements.
- Analyse and resolve data discrepancies to maintain the reliability of critical operational information.
- Provide timely updates and support to stakeholders regarding system changes, improvements, and issue resolution.

Siana Travel | Software Engineer

Apr 2023 – Jan 2025

- Designed and implemented scalable web services to enhance the company's online presence and user experience.
- Led the architecture and rebuild of the company website, ensuring a robust, future-proof platform adaptable to evolving business needs.
- Worked directly with stakeholders to gather requirements and translate them into actionable epics and development tasks.
- Developed and maintained internal systems to support seamless operations and high system availability.
- Drove technical innovation by designing efficient, secure, and maintainable solutions to address evolving business challenges.
- Ensured strong alignment between technical solutions and business objectives through clear communication with non-technical stakeholders.
- Focused on performance optimisation to deliver fast, reliable web services for end users.

Education

Royal Holloway, University of London | BSc Computer Science (Grade: 2:1)

Sep 2019 – Jul 2023

- Studied core Computer Science concepts including programming languages, software engineering, algorithms, databases, and operating systems, with extensive practical software project work.
- Developed strong problem-solving and analytical skills through hands-on programming assignments and team-based projects.
- Explored photography as an elective interest, developing a strong visual and creative perspective through technical experimentation and storytelling techniques.
- Built foundational knowledge in investment and finance through independent research into market behaviour, trends, and risk management.

Extra-Curricular Experience

UKSEDs | System Lead

Sep 2024 – Sep 2025

- Enhanced and maintained the organisation's community hub website, ensuring system stability and brand consistency.
- Delivered UI/UX improvements and personalised onboarding flows, increasing member registrations by **40%**.
- Designed and implemented automation solutions to streamline internal workflows, improving team efficiency by **25%**.
- Provided ongoing technical ownership, maintenance, and system support throughout the engagement.

Awards

Student of the Year – Herefordshire & Ludlow College (2019)

- Awarded for outstanding academic performance among a cohort of 100 students.
- Achieved perfect module scores and exceeded expectations through independent research.