

# Joseph Harwood

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## EXPERIENCE

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### Freelance Next.js Developer

DevJoe | Amsterdam | Nov 2025 – Present

- Building web applications for startups and businesses: marketing sites with headless CMS (Sanity, Contentful), full-stack SaaS products, and API integrations.
- End-to-end product development from database design to deployment, including authentication, payments, and real-time features.

### Co-Founder

Weeknights | Amsterdam | Nov 2025 – Present | [weeknights.nl](https://weeknights.nl)

- Co-founded a two-sided marketplace connecting people with social and hobby clubs in Amsterdam.
- Grew to 3,000 monthly active users organically. Full-stack development with Next.js, Supabase, and Playwright.

### Software Engineer II

Booking.com | Amsterdam | May 2022 – Nov 2025

- Launched Booking.com's first AI Trip Planner, integrated with ChatGPT API to deliver personalised travel recommendations.
- Led ideation and implementation of a neighbourhood feature on search results, resulting in a €19.7M/year increase in customer equity.
- Built no-code recommendation carousels, reducing marketing time-to-market from 2 weeks to 2 days.

### Software Engineer I

Appical | Amsterdam | Nov 2021 – May 2022

- Led migration from JSP to React and TypeScript for flagship product, resulting in 200% improvement in feature implementation time.
- Developed OpenID Connect authentication flow, improving security and efficiency of JWT token handling.

### Software Engineer Intern

IBM | London | Jul 2019 – Sep 2021

- Built a performance review platform used by all early career personnel at IBM UK (5,000+ active users).
- Modernised IBM Netcool Operations Insight, converting WebGUI to React with E2E and unit testing.

## SKILLS

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**Languages:** TypeScript, JavaScript, Python, Java, Perl

**Frontend:** React, Next.js, Tailwind CSS, HTML/CSS

**Backend:** Node.js, PostgreSQL, Supabase, REST APIs, GraphQL

**Tools:** Git, Jest, Playwright, Kubernetes, Sanity, Contentful

## PROJECTS

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### RailGPT | [railgpt.app](https://railgpt.app)

- AI agent for train travel planning in the Netherlands. Built with Next.js, ChatGPT API, and TypeScript.

## EDUCATION

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### BSc Software Engineering (First Class Honours)

Manchester Metropolitan University | 2021

- Covered algorithms, web development, mobile development, and database management.