

Daniel White

Software Engineer

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SUMMARY

Software Engineer with 3+ years of experience building and maintaining production web systems across front-end and back-end layers. Strong background in TypeScript, Node.js, React, and REST APIs, with experience designing scalable architectures, integrating databases, and implementing secure business logic. Proven track record of delivering high-impact features that improve performance, reliability, and revenue.

EXPERIENCE

Software Engineer

Dec 2024 – Present

My Kind of Cruise

Derby, UK

- Led major parts of a production platform rebuild using TypeScript, React, Next.js, and Node.js, improving page load performance by approximately **35%**.
- Designed and implemented a personalised pricing and quotation flow with server-side validation and data checks, contributing to an approximately **60% increase in sales**.
- Built a controlled promotional feature with backend validation and single-entry enforcement, driving over **2,000** new customer sign-ups.
- Developed internal admin systems and APIs supporting sales and operations teams, improving data visibility, reporting accuracy, and workflow efficiency.
- Implemented modular service and component architecture with strong typing and reusable abstractions to improve maintainability and scalability.

Software Engineer (Contract)

Jan 2024 – Nov 2024

Various UK Clients

Remote

- Delivered end-to-end production systems combining front-end applications with backend services using Node.js, PHP, REST APIs, and relational databases.
- Designed and implemented custom checkout flows, order processing pipelines, and payment integrations using Stripe and PayPal with robust validation and error handling.
- Built secure authentication, GDPR-compliant form handling, and automated fulfilment workflows supporting worldwide e-commerce operations.
- Deployed and maintained live systems enabling continuous client operations and high availability.

Software Engineer (Data Systems)

Mar 2024 – Nov 2024

Construct Virtual

Remote

- Built automated data processing pipelines and reporting services using Node.js and TypeScript to support analytics and business intelligence workflows.
- Designed and consumed REST APIs, ensuring data integrity, schema validation, and consistency across distributed systems.
- Performed API testing and validation using Postman to improve system reliability and reduce production defects.

Software Developer

Sep 2023 – Mar 2024

Window Cleaning Company

Remote

- Developed and deployed a customer acquisition site with backend form processing and server-side validation.
- Implemented SEO optimisation, version control workflows, and deployment improvements to support production reliability.

PROJECTS

Cruise Deck Plan Detection Tool

2025

Personal Project

- Built a Node.js and TypeScript service to detect, parse, and extract structured cabin data from cruise deck plan images for downstream processing.
- Designed a scalable backend architecture to support future AI-assisted image recognition, asynchronous job processing, and automated data ingestion.

EDUCATION

Burton and South Derbyshire College

2024

Computer Science App Development – Level 3

Derby, UK

Cambridge University Press & Assessment

Completed

OCR Level 3 Cambridge Technical Extended Diploma in IT

Online

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, HTML, CSS

Backend: Node.js, Express, REST APIs, Authentication, Server-side Validation

Frontend: React, Next.js, UI Architecture

Databases: SQL, Relational Data Modelling

Tools: Git, Postman, CI/CD, Jira

Testing: JUnit, API Testing

Concepts: Software Architecture, Distributed Systems, Performance Optimisation, Secure System Design

LANGUAGES

English: C2 (Proficient)

Russian: C2 (Proficient)