

PROFILE

Senior Software Engineer and Tech Lead with over 13 years of experience architecting scalable web platforms and complex API integrations. I apply a pragmatic approach to system design, focusing on maintainable, right-sized solutions. I am a strong technical communicator who excels at aligning business requirements with technical execution.

I am now seeking an opportunity to build impactful products, ideally leveraging my deep roots in Ruby on Rails alongside modern frontend architectures.

Core Competencies: Full-Stack Engineering, API Design & Integration, System Architecture, Product-Minded Engineering, Technical Leadership.

EXPERIENCE

Founding Engineer & Tech Lead

Apr 2025 – Present

Anato | Dublin, Ireland

Food startup building crumb structure analysis software. Tech stack: Next.js, React, TypeScript, Tailwind CSS, Swift/SwiftUI.

SYSTEM ARCHITECTURE & ENGINEERING

- **Web Platform Development:** Architected and built the central back-office portal from scratch using Next.js, React, and TypeScript, providing a unified interface for data analytics and client operations.
- **API Integration:** Designed Next.js API routes to integrate exclusively with the central backend API, securely powering the data analytics and operations dashboard.
- **Cross-Platform Alignment:** Enforced product consistency across the ecosystem, ensuring feature parity, shared UI/UX design patterns, and unified terminology between the web portal and the iOS mobile app.
- **Testing & Reliability:** Established comprehensive, automated testing pipelines across the web platform utilising Vitest and Playwright to ensure high confidence during rapid iteration cycles.

INFRASTRUCTURE & MOBILE DELIVERY

- **Cross-Platform Mobile Scope:** Expanded technical ownership to lead the architecture and App Store deployment of the iOS app (SwiftUI, ARKit/RealityKit, LiDAR). Utilised AI-assisted workflows for rapid prototyping while delegating complex native features to specialised iOS developers.
- **Cloud & Telemetry:** Managed AWS cloud infrastructure, securing \$10k in startup credits to minimize operational costs. Utilised Firebase Crashlytics for mobile telemetry tracking and production debugging.

Senior Product Engineer

Jul 2023 – Dec 2024

Kubicle | Dublin, Ireland

B2B e-learning platform. Tech stack: Ruby on Rails, React.js, PostgreSQL, MUI.

- **Performance Optimisation:** Engineered data-intensive reporting pages and dashboards. Optimised Rails API retrieval times by deeply restructuring database queries and eliminating N+1 bottlenecks.
- **Frontend Architecture & Dashboards:** Refactored legacy Active Admin pages and developed brand-new React/MUI dashboards for customer administrators to improve data management workflows.
- **Revenue-Critical Features:** Implemented a new licensing tier and administrative dashboard, safely modifying core billing logic to ensure high reliability for money-related platform code.
- **System Reliability:** Participated in on-call rotation schedules, rapidly debugging and deploying fixes for production issues to maintain high system availability.

Senior Software Engineer

Nov 2019 – Dec 2022

Bonkers.ie | Dublin, Ireland

Price comparison website. Tech stack: Ruby on Rails, Vue.js, MySQL, OpenSearch, AWS.

- **Enterprise Integrations:** Led backend development for the company's inaugural API integration with Zurich Insurance. Architected data flows and liaised with partner engineers to launch two product lines on schedule with zero significant production bugs.
- **Project Leadership:** Managed the backend workload and coordinated with internal Frontend teams and external QA to ensure strict adherence to partner requirements and rigorous deployment cycles.
- **Complex Business Logic:** Safely navigated and extended the highly complex electricity pricing engine to incorporate new smart meter tariffs, ensuring strict mathematical accuracy for supplier comparisons without breaking legacy calculations.
- **Feature Engineering:** Designed and implemented a click-tracking and virtual budgeting system to accurately manage, decrement, and represent paid partner placement balances.

Software Engineer & Team Lead

May 2017 – Sep 2019

InStat Sport | Remote

Sports performance analysis company. Tech stack: Ruby on Rails, React.js, Node.js, Elasticsearch, PostgreSQL.

- **Greenfield Development:** Fast-tracked from Junior Backend Developer to Lead for a new project. Built end-to-end features spanning React.js frontend, Node.js services, and Rails APIs.
- **Technical Standards:** Established core coding practices and architectural guidelines for the newly formed Node/React team, ensuring maintainability and scalability.
- **Media Processing Pipelines:** Maintained and deployed high-load video manipulation services across a 50-server cluster. Enhanced an existing Ruby and FFmpeg service to dynamically burn user-drawn graphical overlays into downloadable video layers.
- **Backend Optimisation:** Optimised the core API to handle advanced, high-throughput client requests. Collaborated closely with Database and DevOps teams to fine-tune query performance and ensure system reliability under heavy loads.
- **Team Building:** Actively participated in technical interviews, evaluating candidates for culture fit and technical proficiency to build a strong engineering unit.

EDUCATION

Master's Degree

Computer Science

Berdiansk University of Management and Business, Ukraine

CITIZENSHIP

Irish Citizen

EU Passport & UK Right to Work

SKILLS

Software Engineering

Core: Ruby on Rails, Next.js, React.js, Node.js, Vue.js, TypeScript, JavaScript, Tailwind CSS.

Architecture: RESTful APIs, System Design, Microservices, Performance Tuning, Performance Profiling, Data Modelling.

Infrastructure & Tools

Databases: PostgreSQL, MySQL, SQL, Elasticsearch, OpenSearch.

Cloud & Testing: AWS, Azure, Docker, FFmpeg, Firebase, Playwright, Vitest, CI/CD Strategy.

Leadership & Delivery

Technical Leadership & Mentorship, Cross-Functional Collaboration, Enterprise Integrations, SDLC Optimisation, AI-Assisted Engineering, Rapid Prototyping, Technical Hiring.