

# Zak Dowsett

## SENIOR SOFTWARE ENGINEER

### CONTACT

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### SKILLS

#### Frontend

React, Vue, Flutter, Tailwind  
CSS, Next.js

#### Backend

Go, Laravel, .NET, Java, Node.js

#### Infrastructure

AWS, Docker, Kubernetes,  
CI/CD, Cloudflare

#### Data

SQL, MongoDB, Kafka

#### Leadership

Team leading, mentoring, agile  
delivery

### EDUCATION

#### Computer Science (BSc)

University of Portsmouth, 2015–  
2019

First-class honours. Final-year  
project implementing Fully  
Homomorphic Encryption in a  
blockchain application.

### INTERESTS

Homelabbing, MMA,  
Hiking/Camping, Gym, Reading

### PROFILE

Senior software engineer with 7 years of experience across the full stack, from AWS infrastructure and backend services to production web and mobile apps. Proven team lead: managed four engineers across concurrent projects, mentored junior developers, and delivered platforms end to end; from first commit to a 50% cut in cloud costs.

### EXPERIENCE

#### Senior Software Engineer · 1FIT

Oct 2023 – Present

Fitness SaaS for coaches to plan meals and training and track client progress.

- Built the initial platform as a freelancer, then joined full-time to develop the web and mobile applications, now serving over 80,000 users.
- Re-architected AWS infrastructure, cutting the monthly cloud bill by 50%.
- Built processes to handle over 20 million rows of data a day.
- Overhauled CI/CD pipelines, cutting deployment time by 80%.
- Shipped features across Laravel, React, Flutter and Go services.
- Integrated third-party APIs including Stripe payments and Apple Health.

#### Development Team Lead · Bluesquare

Aug 2021 – Oct 2023

Retail marketing company helping brands grow sales and customer loyalty.

- Led a team of four developers delivering projects for three brands in parallel.
- Hired to in-source the company's outsourced software estate.
- Introduced agile methodologies, establishing a weekly delivery cadence and improving client communication in a fast-changing environment.
- Mentored a DevOps apprentice in AWS and CI/CD practices.

#### Software Developer · Transalis

Jun 2019 – Aug 2021

B2B integration and analytics connecting 98% of the electronically-trading UK retail market.

- Developed a blockchain application using Java and Apache Kafka.
- Supported the infrastructure team with application deployment and monitoring.
- Led group projects, working directly with clients and colleagues.

Further experience available at [zakdowsett.co.uk](http://zakdowsett.co.uk)

### PROJECTS

#### FuelFinder · Creator

Jan 2024 – Present

- Open-source app surfacing live prices from over 8,000 fuel stations, updated every 15 minutes.
- Microservice architecture utilising React, Go, gRPC and MongoDB, orchestrated with Kubernetes.
- Live at [fuelfinder.zakdowsett.co.uk](http://fuelfinder.zakdowsett.co.uk).