



CONTACT

Leeds, England
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SKILLS

Languages

Go

Google Cloud

Cloud Run

Pub/Sub

Cloud SQL

Firestore

Cloud Storage

BigQuery

Secret Manager

Pulumi

AWS

AWS

AWS Lambda

API Gateway

DynamoDB

EC2

Amazon Cognito

Messaging

Kafka

RabbitMQ

Architecture and practice

Serverless

Hexagonal architecture

REST APIs

Test-driven development

Single Sign-On

Healthcare interoperability

HL7

FHIR

EDUCATION

University of York

Bachelor's degree, Electrical and Electronics Engineering
2014 – 2017

October 2026

joshuajameshell.co.uk

Josh Hellowell

Senior Software Engineer at Wellnourish

Backend software engineer, with a focus on supporting the growth of startups.

Serverless architecture, Go & AWS

EXPERIENCE

Aug 2017 – present · 9 yrs 3 mos

Wellnourish

May 2026 – Present · 6 mos

Senior Software Engineer · Fareham

Building a female health app from the ground up, supporting women through every stage of life, from their first period to post-menopause. Backend services in Go on Google Cloud (Cloud Run, Pub/Sub, Cloud SQL and Firestore), with the infrastructure defined as code in Pulumi.

Definition Health

May 2022 – May 2026 · 4 yrs 1 mo

Backend Software Engineer · Brighton

At Definition Health, I worked on LifeBox, a pre-operative assessment tool designed to streamline patient evaluations, support clinical decision-making, and deliver personalised care across NHS and private healthcare settings.

- Improved platform security and user experience by leading the development of new user management features and integrating Single Sign-On (SSO), enhancing account protection and simplifying access across healthcare systems.
- Accelerated system maintainability and scalability by advocating and contributing to a Hexagonal Architecture approach, enabling more modular, testable, and reusable code across services.
- Designed and implemented a robust patient integration service, enabling seamless interoperability with NHS and private Electronic Patient Records (EPRs) through support for HL7 and FHIR standards.
- Collaborated directly with clinical staff and IT teams, ensuring the platform met hospital needs while adhering to interoperability protocols and privacy standards.

Huler

May 2021 – May 2022 · 1 yr 1 mo

Backend Software Engineer · Stoke-on-Trent

Worked as part of a focused backend team to deliver new features and improve system architecture across a modern, serverless product stack.

- Improved performance and cost-efficiency by designing and implementing single-table structures in DynamoDB, reducing read/write latency and optimising for scale.
- Delivered greenfield features as part of a test-driven development (TDD) process, working closely with stakeholders to ensure business goals were met.
- Developed backend services in Go, using AWS Lambda, API Gateway, and other serverless tools to support scalable, event-driven workflows.

Ice Travel Group

Sep 2019 – May 2021 · 1 yr 9 mos

Backend Software Engineer · Greater Leeds Area

Joined during the early startup phase and contributed to growth in both user acquisition and partner engagement in the form of rapid feature delivery.

- Expanded travel partner integrations, working with well-known brands like EasyJet, Lastminute, and OnTheBeach, by delivering low-latency REST APIs in Go, hosted on EC2.
- Increased application responsiveness by introducing a data caching layer, reducing load times and improving the user experience.
- Built and launched an internal CMS tool, enabling real-time ad bidding from partners, which directly supported revenue generation and brand visibility.

UK Civil Service

Aug 2017 – Aug 2019 · 2 yrs 1 mo

Software Engineer

Worked in an agile team environment to deliver two core initiatives: a data compression engine and a public outreach application.

- Delivered a high-throughput data ingestion pipeline using Kafka and Go, capable of processing thousands of packets per second. This included designing a compression engine to reduce storage costs and support real-time analysis.
- Led the development of a public-facing MERN stack application to support outreach programs, allowing external users to interact with internal datasets and services.
- Applied Go concurrency patterns to ensure reliable and efficient data handling in production systems.