

CONTACT

✉️ hi@macandersonuche.dev

☎️ +447577177817

🌐 github.com/MacAndersonUche ↗

PROFILE

- › **UK Citizen with 7+ years of experience**
- › Time Zones: UK, Americas, EMEA, APAC
- › Resident Across London & Manchester UK
- › Available for remote (permanent or contract) roles

INDUSTRY EXPERIENCE

Senior Software Engineer @ Ocado

October 2024 – Present // Remote - Hatfield, UK

- › Built a back-in-stock notification platform, enabling customers to subscribe to unavailable products and receive alerts on restock — generating £2M+ in additional sales.
- › Built an AI/LLM profit bidding system that predicted profit modifiers on a schedule, processed and stored results in DynamoDB using a step function.
- › On purchase, a GTM tag sends the product SKU to API Gateway; we fetch the profit modifier, compute profit, and push it to Google Analytics — generating £1M+ in additional revenue.
- › Designed and implemented scalable AWS serverless pipelines, integrating SageMaker for automated AI/LLM data ingestion, model retraining.

Senior Full-Stack Engineer @ Traced Mobile Security

September 2023 – October 2024 // Remote - Manchester, UK

- › Built a Zero-Trust solution blocking high-risk devices from Microsoft resources with React, Zustand, Node.js/TypeScript, AWS, and Microsoft Graph API.
- › Built scalable integration endpoints in Node.js/TypeScript on AWS, enabling 5K+ external devices to access Traced's threat detection APIs.

Software Engineer @ Finovance

October 2021 – November 2023 // Remote - London, UK

- › Led a team of 6 to build a fault-tolerant transaction table handling 50K+ monthly records, with a React/TypeScript dashboard on AWS (Lambda, DynamoDB, Node.js).
- › Implemented scalable payment services on AWS (Lambda, API Gateway, DynamoDB) with Treasury Prime APIs, processing 30K+ ACH and wire transfers monthly.

Software Engineer @ Product Care Group

January 2020 – October 2021 // Hybrid - Manchester, UK

- › Built AWS microservices handling 2K+ daily orders (Bosch) and migrated wishlist backend to CDK, boosting deployment speed + reusability by 40%.

Software Engineer @ Knotel

August 2018 – December 2019 // Hybrid - Birmingham, UK

- › Built full-stack applications using NextJS and GraphQL APIs with Node.js/Express backend

VOLUNTEER

Volunteer @ Shrewsbury Street Pastors

April 2024 – Present // United Kingdom

ACHIEVEMENTS

- › AWS Certified Solutions Architect Associate ↗
- › AWS Certified Developer Associate ↗
- › AWS Certified Cloud Practitioner ↗

SKILLS

Cloud Native Skills

- AWS CDK / AWS SAM / AWS CloudFormation
- Terraform / Pulumi
- AWS Lambda, SQS, SNS, DynamoDB, API Gateway, Step Functions, WAF, Cognito, OpenSearch, EC2, SageMaker

Programming & Languages

- JavaScript (ES6+) / TypeScript
- NodeJS
- Java / Python
- HTML & CSS / Tailwind

Libraries & Frameworks

- React / NextJS
- Angular
- Redux / Zustand
- Express / NestJS

Test Runners & Libraries

- Jest / Vitest / Playwright
- React Testing Library

Tools | Services | Database

- GitHub / GitLab (CI/CD)
- Google Tag Manager
- NumPy / PowerBI
- Datadog / Renovate
- Cursor / Claude / Copilot

EDUCATION

Imperial College London

MSc Computing · Distinction

TECHNICAL PROJECTS

AI-Powered Order Management System (O.M.S)

Internal Application | TypeScript · React · Node.js · AWS LLM Models | 2024
Completed

- Authentication via AWS Cognito triggers API Gateway and Lambda to fetch real-time order data from DynamoDB.
- React/TypeScript front-end displays and updates order details (SKU, order number, quantities, status).
- Node.js backend with Step Functions orchestrates ERP syncs and DynamoDB updates.
- Quantitative forecasting model (AWS SageMaker) predicts demand and stock levels, shown in the dashboard.
- AI anomaly detector flags unusual order behavior, sending alerts via SNS and updating dashboards.