

Nylah Klasson

Software Engineer

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Experience

Senior Developer

Aug, 2025 – Present

Global Freight Solutions / International Logistics Group – Southampton, Hampshire, UK

- Provisioned platform architecture for a greenfield microservice based pipeline unifying event-driven customer, user, and business data across multiple connectors, using a system-wide canonical data model. Stack: Go, NodeJS, NestJS, Next.js, TypeScript, Terraform, Docker, GCP.
- Architected and provisioned GCP infrastructure using Terraform IaC and Docker, laying the platform foundation for the majority of services supporting the pipeline.
- Laid the foundation for, and built a new gateway service to our WMS in Go. Included with advanced metrics, endpoints, etc. Partially extending our defined Typescript canonical models into Go.
- Built a connector to download, parse, and manage CSV/JSON files from an SFTP server; including server provisioning and customer permissioning, canonicalising data before feeding it into the fulfillment platform.
- Designed and delivered a Shopify connector (TypeScript, NodeJS, Terraform) to parse customer orders into the fulfillment platform, extending the same canonical data model used across other connectors.
- Built a configuration service and internal UI enabling support staff to manage customer connector settings, view transaction history, and replay failed records; reducing manual intervention for failed events.
- Mentored and onboarded new engineers as the team scaled from 3 to 5, acting as their primary point of contact during ramp-up.

Software Engineer

Sept, 2024 – Jul 2025

Dotdigital – Hampshire, UK

- Played a key part in the development of the cross-platform integration unifying Dotdigital and Fresh Relevance following the 2023 acquisition.
- Designed and built a shared event pipeline (using Azure Event Hubs and a Protobuf schema) to unify user event collection and processing across two systems built on different stacks (.NET, Javascript, TypeScript, NodeJS), enabling Dotdigital customers to access Fresh Relevance's personalisation. This includes both Frontend, and Backend related work.

Software Engineer

Sept, 2022 – Aug, 2024

Fresh Relevance Ltd – Hampshire, UK

- Collaborated across engineering, product, and business teams to plan and deliver new features for a large-scale e-commerce personalisation platform (React, TypeScript, Python, Django, MongoDB).
- Led development of real-time session and personalisation data display (React, FlowJS, Python, Django), improving visibility into live customer behaviour.
- Contributed to the planning and development of an on-site content editor, enabling clients to build and deploy personalised, cross-channel experiences in real time.

Placement Software Developer**Jun, 2021 – Aug, 2022**

Fresh Relevance Ltd – Hampshire, UK

- Developed client-facing personalised data capture tools (JavaScript, Babel, NodeJS), giving clients greater flexibility to configure and achieve their personalisation goals.

Education**BSc in Software Engineering (1st Class)****Sept, 2019 – Jul, 2023**

University of Portsmouth – Portsmouth, Hampshire, UK

- Served as a course representative in the final year while concurrently managing part-time employment and managing a university society as a welfare officer.
- Developed a real-time art recognition application for a final year project, utilizing Flutter, Python, and YOLOv5 to implement machine learning in a mobile application. The solution achieved real-time processing without external APIs, running the embedded machine-learning model directly on the device.

Technology Programme**Aug, 2016 – Jun, 2019**

Ljud- och Bildskolan (LBS) – Lund, Skåne, Sweden

- Completed a specialized technology program with a focus on game development, integrating practical knowledge in technology and software engineering, with emphasis on C# and C++.
- As a final year project, developed a neuroevolution model from scratch in C#, XNA, and Monogame, guiding it to achieve specific goals by mutating and adjusting weights across generations.



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