
TECHNICAL SKILLS Preferred: *Typescript* Experience in: *Go, Python, Docker, AWS technologies, SQL*

EDUCATION

The University of Edinburgh - 2015 - 2019

BSc. (Hons.) Computer Science. - First Class Honours - **79%** grade average



RELEVANT EXPERIENCE

Senior Software Engineer, Full Stack - Samsara (May 2024+)

TypeScript, React, Go, GraphQL

- ◆ Core engineer on the customer-facing portion of the media platform, enabling customers to document and investigate operational activities using images and videos.
- ◆ Leading migration of 6 pages to a unified media platform, a ~year long project to improve scalability and development speed.
- ◆ Introduced end-to-end testing using Puppeteer for a complex component, improving test coverage and reliability.
- ◆ Identified redundant and unused product surfaces, deprecating 3 pages and removing thousands of lines of code.

Senior Software Engineer, Front-End / Web Enablement - Skyscanner (August 2022 - May 2024)

TypeScript, React, Sass, Redux, Node, Express, Cypress, Jest, Webpack, Core Web Vitals, Github Actions

- ◆ Core engineer on Skyscanner's largest web microsites, creating and maintaining products for 100 Million+ monthly travelers.
- ◆ Domain expert on Core Web Vitals, web performance analysis/optimisation and tooling.
- ◆ Successfully advocated for the consideration of performance in the product organisation by proving an additional 1 second delay in load time would cause a revenue impact of £2.1 - 4.1 million.
- ◆ Discovered our design system, CSS architecture and bundling strategy was leading to specificity bugs.
- ◆ Led technical rollout of new Skyscanner homepage, ensuring actionable experimentation results and no SEO impact.
- ◆ Mentored five engineers

Software Engineer II, Front End - Skyscanner (February 2021 - August 2022)

- ◆ Led technical implementation of multiple UI components on our mobile and desktop homepages.
- ◆ Advocated for and implemented an improved model for company-wide Core Web Vital operational monitoring.
- ◆ Introduced new processes to ensure sensible distribution and prioritisation of 'engineering health' work in my organisation.
- ◆ Achieved multiple performance ratings of 'Exceptional', the highest possible.

Software Engineer II (+ Squad Lead), Data Platform - Skyscanner (October 2020 - February 2021)

- ◆ Appointed Squad (team) Lead less than a year after joining as a graduate.
- ◆ Was responsible for team health and delivery during a challenging business period. Hit three of four key results.
- ◆ Achieved a performance rating of 'Exceptional', the highest possible.

Software Engineer, Data Platform - Skyscanner (September 2019 - October 2020)

- ◆ Core engineer on the data platform, operated systems that handle up to 2 million messages per second.
- ◆ Maintained systems operating at large scale using tools such as ECS, Cloudformation and Kubernetes

ADDITIONAL PROJECTS

Glenstack (2021-2022)

- ◆ Glenstack was intended to be a marketplace for data exchange - accepted into the Pioneer accelerator. Now in hibernation.
- ◆ Designed (with Figma) and implemented the landing page, glenstack.com, as well as mockups for the planned product.

Interactive Time-Series of Measures for Exploring Dynamic Networks - Published in AVI 2020

- ◆ Created novel and innovative dynamic network specific measures using D3.js, listed as second author of four.
- ◆ The tools extend the functionality of [The Vistorian](https://github.com/vis4/d3.js) - an open source network visualisation project.