

PROFILE

I am a Senior Software Engineer with over ten years of professional experience, specializing in front-end engineering while also being proficient across the full stack. My career has focused on the e-commerce sector. I have a strong interest in Machine Learning, supported by a solid grasp of its underlying mathematical principles. Additionally, I am enthusiastic about cybersecurity, regularly honing my skills through platforms like Hack the Box. In my free time, I enjoy playing the piano.

SKILLS (ranked by usage)

Languages/DSLs : TypeScript, JavaScript [ES6], python, node.js, JSX, SCSS, HTML, CSS, GraphQL, Java

Frameworks/libs : React, Next.js, styled-components, numpy, Vue.js, CanJS, Backbone.js, TypeGraphQL, Flask, Spring [SAP Hybris], Express, Electron, pandas, Tailwind CSS

Misc vim, git, webpack, docker [docker-compose], linux, gulp, grunt, vite, headless CMS integrations, self-education, product demonstration, AWS [CloudFormation, Lambda, Cognito, Step Functions], piano, gen AI prompting, stable diffusion model fine tuning, electronics, WebAudio API, mocha, jasmine, jest, @testing-library/react, DeFi, reverse engineering, cybersec

EDUCATION

Queen Mary University of London

BSC ASTROPHYSICS, FIRST CLASS HONOURS

2011 – 2014

**Dissertation:** Magnetic Fields in the Solar Corona; Critical analysis of existing literature. Numerical simulation using Green’s function to extrapolate coronal magnetic fields from solar magnetogram data.

VOLUNTEERING

Newham CGL Rise

VOLUNTEER

Dec 2018 - Jun 2019

Beckton Environmental Action Team

VOLUNTEER

Jun 2024 - present

EXPERIENCE

Grid Dynamics - Global Digital Engineering Company

[ contract ]

SENIOR SOFTWARE ENGINEER

Apr 2021 - Mar 2024

- ✳ Reading, reviewing, refactoring clean, maintainable code for high volume transactional e-commerce sites.
- ✳ Mentoring, providing support and guidance to junior developers. Delegating suitable tasks to appropriate engineers.
- ✳ Consulting directly and frequently with external stakeholders; leading product demonstrations.

Mulberry

- ➔ End to end delivery of new features for Mulberry's e-commerce site from discovery to deployment.
- ➔ Implemented payment methods (Alipay, Apple Pay, Klarna, Afterpay) increasing quarterly revenue by 30%.
- ➔ Refactored legacy codebase and performed performance optimisation, reducing page load times by up to 80%.
- ➔ Knowledge transfer, technical writing to fill gaps in documentation, software training for client.
- ➔ Directly responsible for preventing potential PII leak due to infra misconfig at CDN level.

selfologi [defunct]

- ➔ Delivered greenfield project for Dubai based startup building an aesthetic medicine platform.
- ➔ Onsite consultation at their Dubai office.
- ➔ Engineered a platform allowing client to operate a market between aesthetic clinics and patients.
- ➔ Engineered a corresponding b2b back-office system for management of orders and bookings.
- ➔ Used serverless architecture on AWS; integration of various third party APIs.
- ➔ Used a composable commerce approach for our architecture, utilising MACH and JAMStack paradigms etc.

## Cyzag

[ contract ]

### SENIOR FRONT END ENGINEER

Feb 2019 – Jul 2019

- ✿ Bought in as senior FE engineer to optimise and refactor data visualisation application for manufacturing execution systems using data sourced from industrial sensors, facilitating insight discovery for users.
- ✿ Introduced proper version control, migrated legacy spaghetti script into a more maintainable codebase built on Vue.js framework.

## Tacit Knowledge

### FRONT END ENGINEER

Apr 2016 – Sep 2018

- ✿ Consulting and implementing software solutions for business needs.
- ✿ Mastering the intricacies of the e-commerce landscape.
- ✿ Attending hackathons.

## Gucci

- ➔ Led front end team during our consultation and engineering for the digital side of Gucci's new Decor range.
- ➔ Onsite consultation at their Milan and Florence offices.
- ➔ Implemented prominent new features and components for site as well as a large scale refactoring of much of the front end codebase.

## Wilko

- ➔ Led front end team for this project, delivering an e-commerce MVP within 4 months of development time.
- ➔ Improved default hybris FE accelerator build time by factor of ten by porting to webpack.

## Clos19 (Moët Hennessey) [defunct]

- ➔ Delivered the front-end for a full e-commerce solution, allowing client to go B2C for the first time.
- ➔ Onsite consultation.
- ➔ Customised the default hybris CMS deeply to enable efficient workflow for client's specific use cases.

## Mulberry

- ➔ Implemented FE overhaul (refactoring of JS and CSS) to deliver Mulberry's 2016 brand refresh strategy.
- ➔ Onsite consultation.
- ➔ Development of new CMS components for new campaign.
- ➔ Optimised developer experience and FE build times (by ~60%) by introducing newer tooling (e.g. bundlers, task runners) and removing code rot in build processes.

### ASSOCIATE FRONT END ENGINEER

Feb 2015 – Mar 2016

## Viking Direct (Office Depot)

- ➔ Requirements gathering and discovery.
- ➔ Onsite consultation.
- ➔ Front-end development of full e-commerce solution delivered, allowing client to go B2C for the first time.

## Substantive Research Ltd

[ freelance ]

### SOFTWARE ENGINEER

Sep 2015 – Jul 2017

- ✿ Sole front end engineer for this startup, using the Vue.js framework (connected to a PHP backend). I built the MVP SPA, a dashboard with data analysis, stats, and visualisations based on analytical data of recently published financial research papers and reports.

## Atchai

### SOFTWARE ENGINEERING INTERN

Aug 2014 – Jan 2015

- ✿ Developing web software using Agile methodologies.
- ✿ Learnt and applied practices such as continuous integration, regular code reviews and pair programming.
- ✿ Contributed bug fixes and production ready code to projects ranging from a data visualisation SaaS application to client websites.