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The Snapshot

> - A conscientious JavaScript engineer, having over 10 years' experience and well versed using JS in ES5/ES6+. However, my go-to is Typescript… I am a sucker for statically typed languages!
> - Extensive commercial experience using frontend frameworks (mostly React/Next.js).
> - Extensive commercial experience using Node.js in a variety of different ways; from simple web servers, to REST/GraphQL API services, to video streaming platforms, to desktop apps (Electron).
> - Strict BDD & TDD practices - from writing Gherkin scripts in Cucumber to integration testing using Jest; testing is at the heart of my development flow.
> - Dockerize all the thingz!
> - Extensive DevOps setting up CI/CD pipelines using Terraform to init, plan, apply & destroy(!) infrastructure.
> - Intermediate experience with Go (however, it is my *Go*-to language for personal projects): implemented an auth microservice that provides short-lived machine-to-machine JWTs for services to communicate.

The Ambition

My experience as a software engineer began building native mobile apps, however, several years ago I jumped into the JS ecosystem and this has allowed me to fully embrace a full-stack discipline.

Although the majority of my experience has been as an application developer, I have seen that I must expand my skill-set beyond just programming, encompassing skills such as; solutions architecture, DevOps and building developer tools.

However, regardless of the technology I work on, my core value always lies with the user; be it customer experience, user privacy or developer experience (because developers are users too <3). Whatever I build it must be to make the user's life better; make society better.

The Story

Nettle Labs Ltd, London, UK.
Principal Engineer   **Dec 2022 – Oct 2023**
> Interviewed and employed new developers.
> Managed a team of three developers, including providing support and delegating tech decisions.
> Implemented code etiquette and development practices such as: trunk-based development, TDD and strictly semantic git history.
> Created a smart contract to represent carbon sequestration with a square metre of real world terrain. The contract is written in Solidity and loosely conforms to the ERC-721 standard.

Senior Software Engineer & Solutions   **May 2022 – Dec 2022**
Architect
> Architect and developed, from the ground up, the Nettle ecosystem.
> Developed the Nettle API using NestJS and PostgresSQL.
> Created smart contracts (EVM and Algorand chains) for escrow payments that underpin the Nettle Pay product.
> Developed several customer and client facing apps using Next.js (React), such as Nettle Pay, Nettle's Merchant Portal and Nettle's internal dashboard.
> Implemented card payments, leveraging Rapyd.
> Developed and deployed a WordPress plugin to implement Nettle Pay on e-commerce sites.
> Instrumented the Nettle infrastructure using Terraform and DigitalOcean.

MoonPay, Silema, Malta.
Full-stack Engineer   **Mar 2021 – Feb 2022**
> Implemented the enhanced customer due diligence (EDD) flow that allowed MoonPay to comply with multiple financial authorities in the US and Europe.
> Instrumental in the design and implementation of using multiple KYC/fraud detection providers to allow for multiple KYC pipelines. This was particularly important as it removed a major point of failure that if the singular KYC provider went down, conversion rate would dramatically drop.
> Various tweaks to the KYC process to vastly improve conversion rate.

askporter, London, UK.
Full-stack Engineer   **Nov 2019 – Mar 2021**
> Implementation of a payments service, using Stripe. However, this dependency was kept to a minimum, thus, allowing the service to have greater flexibility to meet the challenges the platform as whole is trying to solve for its customers.
> Moved the existing monolith architecture into a multi-tenancy microservice architecture.
> Implemented Terraform for the whole platform.
> Moved the platform from Auth0 to a custom auth microservice

implemented in Go.

Local Heroes, London, UK.
Contract Full-stack Engineer **Nov 2018 – Nov 2019**
> Maintenance and extension of the microservices infrastructure using NodeJS, GraphQL, Docker, Terraform and AWS.
> Creation of various front-end applications using React and React Native (mobile apps).
> Implementation of a new payment service using Stripe and AWS Lambdas.

Bulb, London, UK.
Contract Senior JavaScript Engineer **Apr 2018 – Oct 2018**
> Extended the NodeJS API backend for a variety of services across the organisation.
> Implemented new features for the frontend account portal.
> Part of a full rewrite of the Bulb sign-up site; moving from Angular 1.5 to React/TypeScript.

Discovery Networks, London, UK.
Contract Senior JavaScript Engineer **Jul 2017 – Apr 2018**
> Greenfield project to build a new web player component that was used on the eurosport.com site during the Winter Olympics 2018 and watched by over 2 million people over 2 weeks.
> Provided lead direction on technology stack, front-end architecture, styling guidelines and implemented a full CI/CD pipeline using CircleCI.
> Used a strict BDD approach with every ticket implementing a "3 amigos" session that bore feature files (Cucumber) written before code.
> All code was undertaken using TDD, with the unit tests for the player component (Jest/Enzyme) and integration tests for the Eurosport/3rd party sites (Selenium) the responsibility of each developer.

YouView Ltd, London, UK.
Full-stack Software Developer **Jun 2016 – Jul 2017**
> Building of UI and middleware using languages such as TypeScript, Swift and Java, to deploy a cross-platform device ecosystem: TVs, STBs, Chromecast, Mobile and wearables running Android/iOS and embedded web-browsers.
> Cross-platform Mobile UI Development with HTML/JS hybrid solutions using common JavaScript frameworks and libraries.
> Development of cross-platform services, libraries and frameworks for Mobile and embedded Linux platforms.

Element 43 Ltd, London, UK.
Freelance Software Developer **Oct 2015 – Jun 2016**
> Certua - a serverless React frontend to a headless CMS. The website needed a strong emphasis on SEO, so careful use of routing had to maintain good meta data and analytical reporting.
> Rindle - an Angular app where I developed a lot of features

for the frontend. This was a cool project because they are based in the US and I was working remote, so stand-ups were at 1pm!
> [Diverse Dance Mix](#) - full-stack developer for their customer facing app and their admin CMS. Both apps were fully bespoke using and built using the MEAN stack.

Radical Company Ltd, London, UK.
Senior Software Developer   **May 2014 – Oct 2015**
> Worked on client-side and server-side applications using technologies ranging from iOS & Android, to web applications using Angular, PHP, WP, Node.
> Built many apps for high profile clients such as Barclays, Lloyds, Legal & General and Nestle. Other clients included EIC, Royal Borough of Kensington and Chelsea and Shoot magazine.
> Co-authored the implementation of an in-house agency management platform. Acting as a fullstack developer, I built both backend and the frontend web & iOS apps. Later, we white labelled the software to another consultancy.

Car Delivery Network Ltd, Thame, UK.
Mobile Developer   **Jul 2012 – May 2014**
> [vinDELIVER](#) (Android) - sole developer for the maintenance of the flagship Android application.
> [vinDELIVER](#) (iOS) - sole developer for the implementation of iOS version of the flagship application.
> vinREQUEST (Android) - designed, implemented and deployed a new native Android application that moved some of the core functionality of the main web app to mobile.

The Prologue

Oxford Brookes University, Oxford, UK.
   > BSc Computer Science   **Sep 2009 – Jun 2012**
Dissertation: "Using Inference And Disambiguation On Question-driven Input To Achieve Story Comprehension" - The natural language understanding (NLU) program I developed was selected to be presented in the University's promotional video (check my LinkedIn profile, the video will make you chuckle) and I have showcased it at several opening days for prospective students.

Open University, UK.
   > Diploma in Computing   **Oct 2007 – Jun 2009**

The Addendum

I have a passion for building applications and tools that uplift communities, and contribute to the greater good. I am a great advocate of open source and so I spend a lot of my time building or contributing to projects that share this philosophy. Here is a list of a few of these projects that I either maintain or actively contribute:

- Kibisis – an AVM (Algorand Virtual Machine) blockchain wallet that focuses on blockchain assets as a utility.
- Plauser – a simple browser extension that pauses a YouTube video in any tab.

The Spare Moments

Although I spend a lot of time learning about new tech, my current focus is heavily invested in emerging blockchain & decentralized technologies and making the world a more decentralized place :)

During the moments of my life where the driver seat is vacant, I enjoy gaming (story-driven games are my favs), space opera novels, running, sailing and freediving.