Vanaj Krishna Moorthy
Full Stack Software Engineer

London, UK | +44 7882 888265 | vanajmoorthy@gmail.com

vanaj.io | github.com | linkedin.com | behance.net

EDUCATION

University of St Andrews – *BSc. in Computer Science (with honours)*   **September 2020 – June 2024**
First class degree classification
Dean's List 2021, 2024 for academic excellence

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, HTML, CSS, Python, SQL
Tools and Frameworks: React, Next.js, Vue, Nuxt, React Native, ExpressJS, Django, MongoDB, MySQL, PostgreSQL, Git, AWS

WORK EXPERIENCE

Alvie Health — *React Native | Jest | Python | Bootstrap*   **April 2024 — Present**
Software Engineer
- Developed the final release of the Alvie mobile app in React Native using TDD with Jest and wrote end-to-end tests..
- Wrote scripts to transcribe patient calls and integrate Microsoft Bookings with Twilio to automatically send patients text messages.
- Used call transcriptions between patients and health coaches to fine-tune a LLaMA instance to allow health coaches to easily query an LLM on overall patient trends.
- Ported the company's custom built CRM to Microsoft Dynamics and onboarded each member.
- Led a redesign of the landing page to be customer facing and implemented the new website in Bootstrap.

Freelance Web Developer — *Nuxt | VueJS*   **September 2023 — April 2024**
- Developed a portfolio website for an architecture firm using NuxtJS and Prismic. Implemented refined search-engine optimisation which led to a 200% increase in unique monthly website visitors and a 50% increase in online client referrals.
- Developed a website for the private practice of a bariatric surgeon using VueJS, with a JAMStack approach, which led to a ~30% increase in private patient referrals.

Alvie Health | Website **—** *HTML | CSS | JavaScript | Jest*   **April 2022 — September 2023**
Software Engineer Intern
- Developed the promotional website for a health-tech cancer prehabilitation startup called Alvie.
- Wrote tests for the Alvie mobile app using Jest and quality tested the app, finding and patching 5+ critical bugs.

The Orange Yak Co | Website **—** *NextJS | ReactJS | Django | Postgres*   **April 2020 — April 2022**
Co-founder, Web Developer, UI/UX Designer
- Founded and scaled a freelance web development firm to a team of 15+ members and 30+ clients worldwide. Led client acquisition, interviewed and hired a team from a total of 50 applicants, and learnt how to negotiate and close large deals, along with dealing with clients, business details, and the general day-to-day firefighting of running a firm.
- Developed numerous websites and web-applications in Django and NodeJS for established venture capital firms such as Sequoia Capital and Beenext Partners which taught me how to deliver value to a diverse array of stakeholders.
- Developed a full-stack e-commerce platform for second hand clothes using Django on the backend and implemented a complex front-end to serve the platform using ReactJS.
- Designed and implemented the front-end for a "Knowledge Hub" using ReactJS for Beenext Partners where VCs could collate and share documents, reports and other resources on startups and founders in one convenient place to better help them make investment decisions.

ACT Grants | Website **—** *Wordpress, ExpressJS*   **April 2020 — April 2022**
Web Developer
- Communicated with 70+ volunteers and donors including teams at Sequoia Capital and Boston Consulting Group.
- Built the official website for the company using WordPress. Created a dedicated donation page using NodeJS and the Razorpay API which was then deployed on the edge and used to handle large volumes of incoming donations from across the globe which converted website traffic of 80 thousand users per week into donations of 1 billion INR.

PROJECTS

PuzzleFlix **—** github **|** demo
A complete web application for making and playing puzzle games such as sudoku and the eights puzzle. Built by a team of 5 in ExpressJS and ReactJS with MySQL as a database for my third-year software engineering project using SCRUM and Agile methodologies.