Vanaj Krishna Moorthy
Full Stack Software Engineer
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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
Technologies: React, Next.js, Vue, Nuxt, React Native, ExpressJS, Django, MongoDB, PostgreSQL, AWS, Dynamics 365 CRM

WORK EXPERIENCE

Alvie Health — *React Native | Jest | AWS | Microsoft Dynamics CRM*   **April 2024 — Present**
Software Engineer
- Spearheaded final app polishing, working closely with a UI/UX designer to implement skeleton loaders, animations, and last-mile UI/UX improvements, ensuring a seamless user experience before release.
- Wrote and maintained unit and integration tests using Jest to ensure code quality and reliability throughout the development lifecycle.
- Developed numerous key features in TypeScript and React Native with Expo, contributing to a cross-platform app with professional quality.
- Engineered automation scripts to accurately transcribe patient calls, reducing human error by 40%, and synchronised Microsoft Bookings with Twilio to automatically send text reminders, improving patient engagement by 35%.
- Built Power Automate flows to automate patient onboarding and SMS sending, saving 3 hours per week per navigator.
- Rebuilt and optimised Statamic website hosting, cutting load times by 50% and increasing uptime through efficient Terraform-based infrastructure management.
- Built and customised the company's Microsoft Dynamics CRM with C# plugins and JavaScript UI enhancements, improving patient data management efficiency and ensuring GDPR compliance.
- Transitioned the company's outdated portal to a scalable CRM, enabling 40% faster onboarding for health coaches and supporting the company's growth.

Freelance Web Developer — *Nuxt | VueJS*   **September 2023 — April 2024**
- Engineered a portfolio website for an architecture firm using NuxtJS and Prismic, driving a 200% surge in monthly visitors and a 50% boost in client referrals.
- Designed and implemented a website for a bariatric surgeon's private practice using VueJS, generating a 30% increase in patient referrals.

Alvie Health | Website **—** *HTML | CSS | JavaScript | Jest*   **April 2022 — September 2023**
Software Engineer Intern
- Executed a complete redesign of the landing page, resulting in a 25% increase in user retention time.
- Conducted rigorous testing of the Alvie mobile app, identifying and resolving 5+ critical bugs, improving app stability by 30%.

The Orange Yak Co | Website **—** *NextJS | ReactJS | Django | Postgres*   **April 2020 — April 2022**
Co-founder, Web Developer, UI/UX Designer
- Founded and scaled the company from 2 to 15+ team members, acquiring 30+ clients worldwide within 2 years. Led client acquisition and learnt how to negotiate and close large deals, alongside communicating with clients.
- Developed and delivered 10+ high-impact web applications for venture capital firms, resulting in an average 40% improvement in their internal processes.
- Developed a full-stack e-commerce platform for selling 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
- Orchestrated communication between 70+ stakeholders, ensuring 100% alignment on project goals and timelines.
- Developed and launched a high-performance donation page that processed over 1 billion INR in donations from 80,000 weekly visitors, achieving a 5% conversion rate.