

Vihan Perera

React Engineer · Colombo, Sri Lanka

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EXPERIENCE

University of Westminster (DCDI) | Visiting Lecturer

Sep 2024 – Dec 2024

Mobile & Platform – Unity · C# · API Integration · Node.js · Express.js · Figma

Harrow, UK (On-site)

- Served as a Visiting Lecturer at the UoW - DCDI, teaching Interactive Mobile Application Development using Unity and C#, including API integration.

Telexar Technologies | React Developer

May 2022 – Aug 2023

Web & Mobile – React, TypeScript · Formik · Sanity · Material UI · React-Bootstrap · Figma

Australia (Remote)

- Developed 'Eegai Streaming Platform' with React, TypeScript, and React-Bootstrap, reducing UI support issues by 30% and boosting engagement; collaborated with backend teams to optimize API integrations.
- Built 'DigiSate' with React, TypeScript, and MUI, enhancing performance and UX by coordinating with backend developers to streamline data fetching.
- Delivered a user-centric package tracking UI for GTV with React and React-Bootstrap, improving interactivity.
- Owned end-to-end UX/UI design, reducing friction and increasing retention of 'Conquer' mobile app.
- Designed wireframes and prototypes for 'Mazda CRM', improving system usability.

Nine Hermits Gaming | React Developer (Freelance Contribution)

Aug 2022 – July 2023

Web, Mobile & Platform – React · TypeScript · JavaScript · Material UI · Bootstrap · Figma

Colombo, SL (Remote)

- Analyzed 50+ hyper-casual games, implemented Figma redesigns cutting bounce rates by 80%.
- Built a gaming platform with an admin dashboard for hyper-casual games with React, TypeScript and MUI.
- Architected UI/UX systems for 'MBS' in Figma, optimizing HUD/navigation to boost player experience.

Prodigi Interactive | Intern UI/UX Engineer

Aug 2020 – Sep 2021

Web & Mobile – Angular · HTML · CSS · JavaScript · Webpack · Bootstrap · Figma

Colombo, SL (On-site)

- Designed and developed the 'GameJam Plus' platform front-end using HTML5, CSS3, JavaScript, and Webpack.
- Led front-end development for Comic Con platform using Angular, and Bootstrap delivering an intuitive interface that improved real-time user engagement.
- Designed high-conversion UX in Adobe XD for 'Megaplay', onboarding 12K+ users in 2 weeks.

Codegen International | UX Designer (Freelance Contribution)

June 2020 – Aug 2020

Web & Platform – UI/UX

Colombo, SL (Remote)

- Designed Kriyo's user interfaces, enhancing core functionalities through intuitive, user-tested workflows.

Kingslake Technologies | Intern Software Engineer

June 2020 – Aug 2020

Mobile – Flutter · Kotlin · UI/UX

Colombo, SL (On-site)

- Led end-to-end UI/UX Development for the Food Cart App with Adobe XD and Android Studio..
- Collaborated in app development and implementing user-centric features for the Ebanda mobile application.

SKILLS

Frameworks & Libs: React, Next.js, Three.js, ml5.js, WebGL, p5.js, Material UI, Shadcn/ui, React-Bootstrap, Bootstrap

Languages: TypeScript, JavaScript, HTML5, CSS3

Database: MongoDB, Firebase, Sanity

Tools: Git, LazyGit, Vite, Webpack, Parcel, Linux/UNIX, Postman, Figma, Adobe XD

Deployments: Vercel, Render, Netlify, GitHub Pages, AWS Amplify, Firebase

PROJECTS

Ez Streaming

Web – React, TypeScript · Indexing Services · TMDB · Material UI · Vercel

- Built and currently maintain a U.S.-focused content streaming platform serving 45,000+ monthly visitors, utilizing third-party content indexing services to optimize performance and UX while sustaining a 25–28% bounce rate [statistics].

Homeless TV

Web – React, TypeScript · HLS · DASH · Material UI · Firebase · AWS Amplify

- Developed and currently maintain an IPTV web client backed by the IPTV-ORG open-source project, delivering m3u8 & mpd-compliant streaming service to a closed user network.

YT Captions

Extension – JavaScript · DOM Manipulation · HTML5 · CSS3

- Built a Firefox extension to reduce eye strain for users with dry eyes and ‘anisometropia’, enhancing YouTube accessibility through customizable captions, UI modifications, and video player optimizations.

Argos Review Analyzer

Web – Next.js, TypeScript · API Integration · Shadcn/ui · Vercel

- Built a UK-focused, web-based solution to quickly find product reviews and Q&A on Argos – just search by keywords to see what matters most to shoppers.

Get NPMs

Extension – JavaScript · HTML5 · CSS3 · API Integration

- Developed a self-hostable Firefox extension for NPM package discovery, enabling real-time keyword searches with download metrics, GitHub links, and package metadata.

EDUCATION

University of Westminster (DCDI) – MA in Interactive Media Practice

Graduated with Distinction exceptional performance in Creative Computing.

Harrow, UK

Sep 2023 – Nov 2024

University of Westminster – BSc (Hons) in Computer Science

Graduated with First Class Honours.

London, UK

Sep 2018 – Sep 2022