Ashan Perera

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Skills

HTML | CSS | JavaScript | TypeScript | SCSS | ReactJS | Redux | Saga | NextJS | TailwindCSS | Java | MongoDB | Springboot| SQL | GraphQL | AWS | Git | Serverless | Jenkins | OneTrust | Jira | Figma | UX/UI | Micro Frontend | Frontend | Backend | Fullstack | REST | MVC | Ajile

Experience

Associate Software Engineer   Pearson Lanka   2024 Mar - Present

- Led the design and development of multiple enterprise-level **micro-frontend** applications of the Higher Education Department, consumed by thousands of consumers on a daily basis.
- Researched, documented, developed, and implemented **OneTrust** cookie management across multiple high-priority consumer applications to centralize the cookie consent throughout the applications.

Associate Software Engineer (Contractor)   Pearson Lanka   2023 Mar - 2024 Mar

- Designed and developed multiple features, enhancements, optimization, and bug fixes through different projects.
- Engaged in designing and developing an in-house media player project named CloudFlicks to perform multiple assignment-related tasks within the media player using **NextJS** and **VideoJS** used by 20,000 users per minute.
- Designed and developed multiple features with complex state management mechanisms using **Redux** and **Saga** as the main frontend developer for project MediaShare which is a **ReactJS** application.
- Participated in an internal hackathon and designed and developed a POC using **Gen AI** to generate assignments from videos using **AWS Bedrock** which won 3rd place and chose the project to be integrated with internal tools.
- Configured and deployed all the frontend-related releases of MediaShare using blue-green deployments in **Jenkins**
- Designed and developed multiple **UI/UX** with **Figma** related to several projects.

Software Engineer - Intern   Pearson Lanka   2022 Jul - 2023 Mar

- Worked on bug fixes and minor feature enhancements in a few projects as a full-stack developer using **ReactJS** and **Spring Boot Java**.

Graphic Designer (Part-time)   Search Worldwide   2021 May - 2022 Feb

- Worked on multiple projects making brand awareness and digital presence of multiple clients utilizing **Adobe CC.**

Full Stack Engineer (Part-time)   Blendpach Systems   2020 May - 2021 Aug

- Worked on a project of ledger handling and client management system named e-Secretary using **MySQL**, **PHP,** and **Codeigniter** with **MVC** architecture.
- Worked as the front-end developer for a Forex trading application build using **ReactJS** with **Redux**

Personal Projects

SubMed Player (Final Year Research Project Bsc)

- A media player with real-time subtitle generation and language translation capabilities using NLP and Machine Learning.
- Python | Tensorflow | Keras | ElectronJS | MediaElementJS | GCP Translate | Machine Learning

AllBill Billing System (Final Project Diploma)

- A simple billing, utility management and monitoring system for stores.
- C# | MySQL

Education

Bsc (Hons.) in Computer Science   2022
General Sir John Kotelawala Defence University, Ratmalana, Colombo, Sri Lanka

Diploma in Software Engineering   2019
ESOFT Metro Campus, Galle, Sri Lanka

Diploma in Academic English   2019
ESOFT Metro Campus, Galle, Sri Lanka

Richmond College, Galle, Sri Lanka   2017
School

Publications

Subtitle Generating Media Player using Mozilla DeepSpeech Model   2023 Aug
International Journal of Computer Applications