

NIROSHAN PUSHPARAJ

Software Engineer, University of Kelaniya.

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About

Recent graduate software engineer with a strong passion for leveraging cutting-edge technologies to develop impactful solutions in software development and cloud computing. Skilled at quickly acquiring technical proficiency and demonstrating proven leadership and communication abilities. Eager to contribute innovative ideas and technical expertise to advance the development of robust and scalable software applications.

Education

BSc (Hons) in Software Engineering

Feb 2020 – Jun 2024

University of Kelaniya, Sri Lanka.

Second Upper | **GPA** - 3.38

G.C.E Advanced Level

Aug 2016 – Aug 2018

Vavuniya Tamil MMV, Sri Lanka.

Mathematics – B, Physics – B, Chemistry – C, English – B

District Rank – 21

Research Activities

Research Project (Final year): University of Kelaniya, Sri Lanka. Aug 2023 – May 2024

I participate in a team of developers to build a video communication tool similar to Zoom titled "Out Room", utilizing **WebRTC** mesh technology for real-time video and audio communication. The tool was developed using **React** for the front end, **Express** and **Python** for the back end, and **PostgreSQL** for the database. A key feature of the application is a timeline that displays ongoing and featured meeting details, allowing users to filter meetings by category. Participants can easily select an available meeting or join directly using their credentials.

Professional Experience

Frontend Engineer: Keture

Jun 2024 – Present

As a frontend engineer, I specialize in building responsive and visually appealing interfaces using **React**, **Tailwind CSS**, and **Material UI**. I have worked on multiple projects, including content management systems (**CMS**), marketing platforms, and landing websites, focusing on delivering user-friendly and scalable front-end solutions.

Freelance Developer: Self-Employed

Apr 2024 – Present

As a freelancer, I offer a range of services including designing landing websites using **React** and **Tailwind CSS**, developing web applications for studio management systems with admin panels using **React**, **Tailwind**, **Firebase**, and **EmailJS**, building **.NET** Windows Form applications for leave management systems with **C#** and **MSSQL Server**, and creating online photo gallery apps using **Flutter**, **Spring Boot**, and **AWS S3** buckets. I deliver tailored solutions that are efficient, scalable, and user-friendly.

Intern Full stack Developer: Silverline IT

Dec 2023 – Jun 2024

Full-stack developer with expertise in building web applications using **React** and **Tailwind CSS** for responsive front-end design, along with **Express** and **Firebase** for efficient back-end development. Skilled in delivering scalable and optimized solutions for diverse project requirements. Knowledge in **MERN** stack.

Trainee Mobile App Developer: DDS Techvira

Jan 2023 – Jul 2023

Experienced in **Flutter** development, with a focus on designing intuitive and user-friendly interfaces using **Figma**. Skilled in creating and revamping mobile applications, delivering responsive and efficient solutions tailored to meet user needs. Knowledge in **BLoC** design pattern.

Projects

Portfolio Website (Next.js, Framer Motion)

A personal portfolio website was developed using Next.js for server-side rendering, with Framer Motion utilized for smooth animations and interactivity.

Studio Management System (React, Tailwind CSS, Firebase, EmailJS)

A web application for managing studio operations was built, featuring an admin panel with real-time data updates via Firebase and automated email notifications handled through EmailJS.

Donation App Frontend (React, Tailwind CSS)

The frontend of a donation platform was designed, ensuring a clean and responsive user interface to facilitate user contributions.

LMS Web & Mobile Application (React, Material UI, Flutter, Spring Boot)

A Learning Management System (LMS) was developed as part of a group project, with both web and mobile applications created using React and Flutter, and integrated with a Spring Boot backend.

Landing Website for a Beauty Parlour (React, Tailwind CSS, EmailJS)

A landing page for a beauty parlour was designed and developed, showcasing services and enabling user contact via EmailJS.

Landing Website for a Start-up Company (React, Tailwind CSS, EmailJS)

A professional landing page for a start-up company was created, focusing on mobile responsiveness and lead generation through integrated email forms.

Bookstore e-Commerce Application with Admin Panel (PHP, CSS, MySQL)

An e-commerce platform for a bookstore was developed as part of a group project, featuring an admin panel to manage products, orders, and inventory.

Email Client Frontend (React, Tailwind CSS)

The frontend for an email client was developed, with a focus on creating a user-friendly interface and ensuring smooth interactions.

Online Photo Gallery App (Flutter, Spring Boot, AWS S3)

A cross-platform photo gallery application was created, with image upload functionality integrated with AWS S3 to enable users to store and share photos.

TODO App (Flutter, Bloc)

A task management app was built using Flutter and Bloc for state management, allowing users to organize and track tasks efficiently.

Awards and Achievements

Winner – junior hack 3.0

Unix/Linux and Shell Scripting – Crash Course in Alison

Diploma in Design Thinking – Alison Course

Skills

Programming Languages: C, Python, Java, JavaScript, Dart, C#

Web Frameworks: HTML, CSS, React JS, NEXT JS, Tailwind CSS, Node JS, Spring Boot, .NET

Mobile Frameworks: Flutter, React Native

Databases: Firebase, MongoDB, MySQL, PostgreSQL

Cloud Computing: AWS, Azure

OS: Ubuntu, Windows

Version Control System: Git

UI/UX Designing: Figma, Adobe XD

Microsoft Office Product: Excel, Word, Power point

Referees

Dr.(MRS) Isuru Hewapathirana

B.Sc. Hons (Colombo), PhD (Canterbury)

Senior Lecturer,

Software Engineering Teaching Unit.

Faculty of Science, University of

Kelaniya, Sri Lanka

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Dr. Nalin Warnajith

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