

NUWAN RANAWAKA

SOFTWARE ENGINEER

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PROFILE

Software Engineer with over 7 years of experience in designing and developing scalable web and mobile applications. Proficient in modern technologies including Node.js, React, React Native, MySQL, MS SQL, MongoDB, and Firebase (Firestore, Realtime Database, Authentication, Push Notifications). Skilled in full-stack development, system integration, and delivering robust software solutions tailored to business needs.

Contributed to the successful development of:

- Flobot – A field service automation platform for managing leads, quotations, scheduling, invoicing, and asset tracking.
- Flimo – A specialized inventory management system for flooring and carpet businesses.
- Triple CCC – A WordPress plugin that automates SEO optimization using real-time database connectivity.
- Instafix – Developed an on-demand emergency service platform application.

Began career in PHP development and hold a strong foundation in Java from university studies. Currently enhancing cloud expertise in AWS. Recognized for clean code practices, strong problem-solving abilities, and a collaborative approach that supports innovation and team growth.

SKILLS

- | | |
|-----------------|--------------|
| • Node JS / TS | • Firebase |
| • React JS / TS | • WordPress |
| • React Native | • Google Map |
| • PHP | • Socket.IO |
| • Classic ASP | • PM2 |
| • MongoDB | • Xero |
| • MSSQL | • QuickBooks |
| • MySQL | • Opayo |
| • GIT | • WorldPay |

EDUCATION

- **B.Sc. in Physical Science** 2014 - 2017
Computer Science, Mathematics, Physics (University of Sri Jayewardenepura)
- **Diploma in Network Administration with Security** 2018
Vocational Training Center Dehiwala
- **Diploma in Computer Hardware with Networking** 2018
Vocational Training Center Dehiwala
- **G.C.E. Advanced Level** 2013
Physical Science Stream (Dharmapala Vidyalaya Pannipitiya)

WORK EXPERIENCE

- **Fresh Milk Software Ltd - United Kingdom** 2019 - PRESENT
Software engineer

Technologies : Node.js, React, Firebase, MySQL, MSSQL, MongoDB, PHP, Classic ASP, WordPress, Google Maps API, Socket.IO, PM2, Xero, QuickBooks, Opayo, WorldPay

Key Responsibilities & Achievements:

- **Led development of Flobot**, a comprehensive field service management system built using Classic ASP, PHP, and MS SQL, supporting lead management, scheduling, invoicing, and job tracking.
- **Developed RESTful APIs** for Flobot's Android and iOS apps to support real-time job tracking and updates.
- **Created the Triple CCC WordPress plugin**, enabling websites to dynamically pull and display content from the Flobot database for SEO optimization.
- **Designed and developed FLIMO**, a standalone inventory module for Flobot. Built RESTful APIs and mobile integration using PHP and MySQL.
- **Built a GPS tracking system** with:
 - **Device service** using Node.js and GT06 GPS modules
 - **Backend APIs** using Node.js and MongoDB (switchable with Firebase)
 - **Frontend user portal** built with React and Google Maps API for live tracking, connected via Socket.IO
- **Developed an on-demand emergency service platform (instafix)** with customer, admin, and engineer portals using RESTful APIs and real-time tracking via Socket.IO, Firebase notifications, and third-party tools (MessageBird, Mailchimp, Google Maps).
- **Integrated Flobot** with financial and payment systems, including Xero, QuickBooks, WorldPay, and Opayo for seamless billing and accounting.
- **Managed Linux server deployments** using PM2 for process management and ensured high availability of production services.

- **Rapid Taxies Enterprise (Private) Limited - Sri Lanka**
Software Engineer

2019 - 2018

Technologies: PHP (CodeIgniter), JavaScript, MySQL

Key Responsibilities & Achievements:

- Developed and maintained internal systems and the company's main website to support ride-booking operations and staff workflows.
- Built web-based features for booking management, driver assignment, fare calculations, and real-time ride tracking.
- Used the CodeIgniter PHP framework to implement backend logic and integrate MySQL databases.
- Created dynamic and responsive UI components using JavaScript to enhance user experience.
- Participated in full software development life cycle including requirement analysis, development, testing, deployment, and maintenance.
- Worked closely with business teams to gather functional requirements and deliver tailored solutions aligned with company goals.

- **Apps Technologies (Pvt) Ltd - Sri Lanka**
Software Engineering Intern

2017 - 2018

Technologies: PHP, JavaScript, MySQL

Key Responsibilities & Achievements:

- Collaborated with the development team on web application projects using PHP and MySQL.
- Assisted in writing clean, reusable code and fixing bugs during active development cycles.
- Gained hands-on experience in front-end scripting with JavaScript and basic UI design.
- Supported testing, documentation, and deployment tasks to help ensure project quality and timely delivery.
- Learned industry best practices and improved understanding of full-stack development within a real-world team environment.

- **CodeGen International (Pvt) Ltd - Sri Lanka**

2017 -November (One month)

Trainee – System Data Loader (Short-term Training Program)

- Selected as part of a university-recommended student team to participate in a hands-on training program at CodeGen International.
- Gained practical experience in system data loading processes into enterprise-level software systems.
- Worked collaboratively with the development team to ensure accuracy and efficiency in data migration workflows.
- Supported testing, documentation, and deployment tasks to help ensure project quality and timely delivery.
- Enhanced understanding of large-scale system operations, database management concepts, and quality assurance practices.

- **Freelance**

Remote | Ongoing

Technologies : React Native (Expo), PHP (CodeIgniter 3), MySQL, GraphQL, WordPress

Key Projects & Contributions:

- **Money Collection App**
 - Developed a cross-platform mobile application using React Native (Expo).
 - Built custom GraphQL APIs with MySQL for data management.
 - Focused on performance, real-time data sync, and clean user interface.
- **Medical ref App**
 - Designed and developed backend APIs using PHP (CodeIgniter 3) and MySQL for a financial assistance mobile application.
 - Handled secure data processing and user role management.
- **WordPress Website:** eudm.online
 - Built and customized a full-featured WordPress website.
 - Integrated themes, plugins, and content optimizations for improved usability and performance.

REFERENCE

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