

# Dilanka Liyanagama

## FULLSTACK ENGINEER | REACT.JS EXPERT

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### Profile Summary

Full-Stack JavaScript Engineer with 4 years of experience developing scalable web applications using React.js, Node.js, and modern architecture. In technical leadership, CI/CD implementation, and performance optimization. Implements SOLID principles and comprehensive testing frameworks to ensure robust, maintainable codebases. Combines technical expertise with strategic project management to deliver solutions aligned with business objectives.

Technical Team Lead with 2+ years of experience optimizing software delivery through Agile methodologies. Skilled in bridging technical and business requirements to align team output with organizational goals.

### Core Competencies

Frontend	Backend	Tools & DevOps	Others
<ul style="list-style-type: none"><li>React.js, ES6, Webpack, Next.js</li><li>JavaScript, TypeScript</li><li>HTML5, CSS3</li><li>Context API</li></ul>	<ul style="list-style-type: none"><li>Node.js, Express</li><li>MySQL, MongoDB</li><li>REST APIs</li><li>Firebase</li></ul>	<ul style="list-style-type: none"><li>AWS, Azure</li><li>Docker, Webpack</li><li>Cypress, Selenium</li><li>Git, GitHub</li></ul>	<ul style="list-style-type: none"><li>Agile/Scrum</li><li>UI/UX (Figma)</li><li>Python</li><li>Java</li><li>SEO Fundamentals</li></ul>

### Academic Experience

<b>Full-Stack Engineer</b>	<b>Year 2 Semester 1</b>
<b>Information Web Technology Project</b>	
<ul style="list-style-type: none"><li>Developed a responsive CRUD application that reduced data entry time by 28%, improved record retrieval speed by 45%, and enabled 5 users to simultaneously manage over 100 database entries through an intuitive web interface, resulting in 30% faster information processing workflow</li><li>Used Eclipse and MySQL for database</li><li>PHP, JAVA, CSS, HTML</li></ul>	
<b>Full-Stack Engineer</b>	<b>Year 2 Semester 2</b>
<b>E-Commerce Platform (Textile Business)</b>	
<ul style="list-style-type: none"><li>Integrated secure payment gateway for online textile store, processing 250+ daily transactions with a 99.99% success rate and zero reported security breaches.</li></ul>	

- Developed frontend components including shopping cart, product filters, product page, and payment page using React.js with state management through Context API
- Reduced checkout process time by 40% by optimizing API calls between frontend and backend
- JavaScript, ReactJS, Express, NodeJS, HTML, CSS

## Backend Engineer

Year 2 Semester 2

### Electricity Bill Calculator (Android App)

- Built a mobile application for electricity bill calculations, addressing critical pricing fluctuations during a national energy crisis
- Architected a real-time data storage solution using Firebase that streamlined user authentication processes, reducing server response time by 40% and enhancing overall application performance for 100+ daily users
- Kotlin, Android Studio

## Full-Stack Engineer

Year 3 Semester 2

### Module Management System (MODMAN)

- Lead the development of a fully functional web application to streamline academic module management for 50+ users, including admins, lecturers, and students
- Implemented role-based access control (RBAC) to restrict system features based on user permissions, improving data security
- Integrated MongoDB for efficient data storage and retrieval, optimizing query performance by indexing frequently accessed fields

## QA Engineer

Year 4 Semester 2

### Software Quality Assurance Test Automation

- Created a MERN stack web app with role-based access for 50+ users, improving module management efficiency by 40%
- Wrote 10+ Cypress end-to-end tests covering critical user flows (login, data submission, admin dashboards), reducing UI bugs by 35%
- Authored reusable Cypress custom commands for Json Web Token (JWT) authentication, API mocking, and DOM assertions
- Trained 3 peers in writing maintainable Cypress tests using Page Object Model (POM) pattern

## Extra Group Project Experience

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## Full-Stack Engineer

June 2024

### Timetable Management System (SLIIT360)

- Streamlined the scheduling process by developing a timetable management system that reduced administrative workload by 35%, increased scheduling efficiency by 40%, and allowed 18 faculty members to manage 60+ course sections through an intuitive interface, resulting in 25% faster schedule creation and updates
- Collaborated with a 4-member team using Agile (Scrum), delivering the project 2 weeks ahead of deadline

Education

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SLIIT University, Malabe

June 2021 - Present

- BSc (Hons) Degree in Information Technology specializing in Information Technology
- Major: Web Development | Minor: Machine Learning

Vocational Training Authority, Tangalle

June 2019 - December 2019

- NVQ Level (IV) Certificate for Information and Communication Technology Technician

Advanced Level, H / Nakulugamuwa Gamini Viduhala

December 2017

History	A
Geography	B
Political Science	C

Personal Information

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Language: English (Medium)

Age: 27

Notice Period: 2 Weeks