# Movindu Liyanage

*Software Engineering Undergraduate*

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## PROFILE

Third-year Software Engineering student with a strong foundation in full-stack development and growing enthusiasm for DevOps practices. Experience leading university project teams while implementing Agile methodologies and version control systems. Currently exploring cloud platforms, containerization, and CI/CD concepts through self-directed learning. Quick learner and adaptable team player seeking real-world DevOps experience through internship opportunities while continuing to develop technical expertise in software development.

## TECHNICAL SKILLS

**Languages**: Java, Python, TypeScript, Go, SQL, JavaScript
**Frameworks & Libraries**: Express.js, Angular, Next.js, React Native, React.js, Redux, Node.js, Tailwind CSS
**Databases**: MongoDB, MySQL
**Cloud & DevOps**: AWS (Basic), Docker, Git, CI/CD, GitHub Actions
**Core Concepts**: OOP, SOLID Principles, Data Structures, Algorithms, Design Patterns
**Development Tools**: VS Code, Postman, Cursor

## EXPERIENCE

**Development Team Volunteer** | *SLIIT Software Engineering Student Community*          2024 – Present
- Contributed to the development of competitive programming questions, implementing data structures and algorithmic challenges for SLIITXtreme 3.0
- Developed and implemented the real-time leaderboard system for SLIITXtreme 3.0 programming competition

## RECENT PROJECTS

**Interactive Web-based Programming Environment** | *MERN Stack, LLM Integration*          Jul 2024 – Oct 2024
- Engineered a cloud-based programming education platform using MongoDB, Express.js, React, and Node.js
- Implemented real-time code validation using AWS Lambda and integrated Meta-LLaMA-3-70B-Instruct model
- Designed RESTful APIs following SOLID principles and implemented comprehensive error handling

**Sustainable Living Mobile Application** | *React Native, Appwrite, MongoDB*          Jul 2024 – Oct 2024
- Developed a full-stack mobile application using React Native and Express.js backend
- Implemented complex state management using Redux and designed normalized database schemas
- Created reusable components following OOP principles and implemented unit tests

**Developer Portfolio** | *Next.js, AWS* | *movin.dev*          Apr 2024 – May 2024
- Built a performant portfolio website using Next.js, TypeScript, and Tailwind CSS
- Deployed on GitHub Pages using GitHub Actions

**Vintage Item Auction Management System** | *MERN Stack*          Apr 2024 – May 2024
- Led an 8-member team in developing a full-stack auction platform using MongoDB, Express.js, React, and Node.js
- Implemented role-based access control with admin portal and user management system
- Designed and developed automated auction mechanisms and secure payment integration
- Orchestrated Agile development practices, leading daily standups and sprint planning

## EDUCATION

**Sri Lanka Institute of Information Technology**          Malabe, Sri Lanka
*BSc in Information Technology Specializing in Software Engineering (CGPA: 3.54)*          *2022 – Present*

**Thurstan College**          Colombo 07, Sri Lanka
*G.C.E Advanced Level (Physical Sciences)*          *2012 – 2020*