Lahiru Supun.

Full-stack developer / MERN / Robotics

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PROFILE

Engineer who enjoys the whole stack — from typed backends, cloud infrastructure and fast, accessible interfaces to ROS2 nodes, flight controllers and embedded firmware. Currently a Senior Robotics System Integration Engineer at Xavier AI, after full-stack work across game backends, routing software and mobile prototypes. I care about maintainability: clear modules, honest types, and tests that fail for the right reasons.

EXPERIENCE

Senior Robotics System Integration Engineer

Jul 2025 – Present

Xavier AI · Robotics engineering · Colombo, Sri Lanka

- Robotics system integration and design.

`robotics` `system integration` `system design`

Senior Software Engineer

Apr 2025 – Jul 2025

Frontwalker · Software development company

- Developed a prototype for a fire-safety inspection mobile app, including QR scanning, quotation management and inventory management.

`mobile app` `QR scanning` `quotation management` `inventory management`

Full Stack Developer

Sep 2022 – Apr 2025

NineHermits · Gaming company

- Built REST, Socket.io and blockchain APIs for games and deployed them to AWS.
- Designed and maintained player subscription systems for games (Unreal / Unity).

`REST` `Socket.io` `blockchain APIs` `AWS` `Unreal` `Unity`

Software Engineer (React.js, Node.js)

Mar 2021 – Sep 2022

EIS · Startup · Remote

- Built a vehicle routing module using Google OR-Tools.

`React.js` `Node.js` `Google OR-Tools` `vehicle routing`

EDUCATION

Bachelor of Information Technology (BIT)

Jan 2018 – Dec 2021

University of Colombo School of Computing · UCSC

STACK

Web

`JavaScript` `TypeScript` `React` `Next.js` `Node.js` `Express` `Socket.io` `Tailwind`

Data

`MongoDB` `Postgres` `MS SQL` `MySQL` `SQL`

Cloud / DevOps

`Azure` `AWS` `Docker` `Kubernetes` `GitHub Actions` `Linux` `Shell`

Robotics / UAV

`ROS2` `ArduPilot` `MAVLink` `MAVROS2` `Gazebo`

Embedded

`ESP32` `Arduino` `C++` `sensor integration`

Game dev & more

`Unity` `Unreal Engine` `C# / .NET` `Python` `PHP`

PROFICIENCY

MS SQL	●●●●●
MySQL	●●●●●
JavaScript	●●●●●
TypeScript	●●●●●
MongoDB	●●●●●
Shell scripting	●●●●●
Python	●●●●○
SQL	●●●●○
C#	●●●●○

INTERESTS

`open source` `web development` `DIY` `robotics` `IoT`