

Bavindu Shan

Intern Back-End Engineer

✉ bavindushan65@gmail.com

in [LinkedIn](#)

☎ +94767743923

🐙 [GitHub](#)

📍 Minuwangoda, Sri Lanka

🔍 [Portfolio](#)

EXPERIENCE

Intern Software Engineer – Backend (Remote) 🏠

April 2025 – June 2025

ZephyraTech (Startup)

Greens Customer Mobile Application

May 2025

Developed APIs using **Express.js**, **JWT**, and **TypeORM**, with auto-generated Swagger reports. The project includes functionalities like user authentication, plant listing, cart management, multiple payment options and focus on real-time plant monitoring and IoT device integration.

Quick Eats – Food Delivery System

June 2025

Worked as a backend developer and database designer for the Quick Eats mobile app and website. Developed RESTful APIs using **Node.js (Express.js)**, **Prisma**, **MySQL**, and **JWT** to support features like user authentication, order management, real-time tracking, menu handling, rider coordination, payment processing, and feedback systems. The system is designed for high scalability, performance, and secure operations across the web and mobile platforms.

PROJECTS

Task Manager (Full Stack)

Present

Using **Layered Architecture**, developing a Task Manager web application with **Spring Boot**, **Angular**, and **JWT** for role-based authentication. Admins can CRUD tasks, assign tasks to staff, and track task statuses (ongoing, completed). Staff can view assigned tasks, update task statuses, download files, and use an integrated chat feature for communication. The system is designed to support up to 100+ users, enhancing team collaboration and task management efficiency.

Online Exam Platform(Full stack)

Present

Leading a group project to develop a scalable web-based platform using **Microservices architecture**, **Spring Boot**, **Angular**, and **MySQL**. Currently in the second sprint, I serve as both the **Full-Stack Developer and Team Lead**, guiding development and team coordination. The project follows **Layered Architecture** and aims to support 500+ users, with features like automated grading designed to reduce manual evaluation efforts by up to 60%.

MOS Burgers Project (Full Stack)

Mar 2025

Designed a **REST API-based** ordering system using **Java**, **Spring Boot**, **Hibernate**, and **Jasper Reports**. Automated key processes like order tracking and reporting, reducing processing errors by 40% and manual effort by 50%.

Hospital Management System (Standalone)

Mar 2025

Developed a secure **JavaFX-based** desktop application integrated with **MySQL** to manage over 200 daily patient records. Implemented data encryption for sensitive information, resulting in a 25% reduction in administrative workload through efficient record handling and automated processes.

Bus Seat Reservation System (Console)

Mar 2024

Created a **Java-based** reservation system that utilized advanced queue management and sorting algorithms to streamline booking operations. By optimizing the order of processing and minimizing wait times, the system improved overall reservation efficiency by 50%, enhancing user experience and reducing service delays.

AI-Powered Face Recognition Attendance System

Mar 2025

Developed an **AI-powered attendance system** using **Python**, **OpenCV**, and **Firebase** to enable real-time tracking and updates. The system automates the entire process, aiming for over 95% accuracy and reducing manual attendance tasks by 80%, significantly improving efficiency and reliability.

Sampath Food City System (Console)

Jan 2024

Developed a **Python-based** inventory management system adhering to **SOLID principles**, ensuring clean and maintainable code. The system features automated stock tracking, which helped reduce stock discrepancies by 35%, improving overall inventory accuracy and operational efficiency.

Grifindo Travels System (Standalone)

Feb 2023

Developed a **C#** application integrated with **MySQL** to streamline vehicle rental charge calculations, resulting in improved invoice accuracy. The system also introduced self-drive rental options, enhancing overall user satisfaction and providing greater flexibility for customers.

Quiet Attic Films Database Design (Standalone)

Jan 2023

Designed a database using **C#** and **MySQL** to efficiently organize client, asset, and workflow data, significantly improving operational efficiency and fostering better collaboration within the company by providing easy access to critical information.

TECHNICAL SKILLS

Languages	: Java, JavaScript, TypeScript, C#, Python, PHP, CSS3, HTML5, XML
Frameworks & Libraries	: Spring Boot, Angular, Node.js, Express.js, JavaFX, Jasper Reports, Hibernate, Google Guice, Java Simplified Encryption (JASYPT), OpenCV, Bootstrap, Tailwind CSS, Lombok, Model Mapper, Prisma
Databases	: MySQL, SQL Server, Firebase
Cloud Computing	: Microsoft Azure Fundamentals
Networking	: LAN/WLAN, VLAN configuration
Tools & Platforms	: Git, GitHub, Visual Studio, VS Code, IntelliJ, Jaspersoft Studio, Postman, Google AI Studio, Power BI, Swagger UI

EDUCATION

BEng (Hons) in Software Engineering (TOP-UP) <i>London Metropolitan University (UK).</i>	Jan 2025 – Present
Dip. in ICET Certified Developer(GPA: 3.85) <i>Institute of Computer Engineering Technology (ICET).</i>	Sep 2024 – Present
BTEC HND in Computing (Distinction Pass) <i>ESOFT Metro Campus.</i>	Oct 2022 – Sep 2024

ACHIEVEMENTS AND CERTIFICATIONS

- [Oracle Java Explorer Badge](#)
- [Postman API Fundamentals](#)
- [HP LIFE Agile Project Management](#)
- [Microsoft Azure Fundamentals](#)
- [Fundamentals of Generative AI Badge](#)
- [Introduction to GitHub Copilot Badge](#)
- [Oracle MySql Explorer Badge](#)

EXTRA-CURRICULAR ACTIVITIES

- ESA(Esoft Student Association) Member
Esoft Metro Campus.
- Former Prefect & Sport Caption
Mahanama National School.

REFERENCES

- Dulashi Athauda, *Visiting Lecturer, IT*
ESOFT Metro Campus.
dula.athauda@gmail.com | +94 71 595 8733
- Niroth Samarawickrama,*Founder*,
Institute of Computer Engineering Technology.
niroth73@gmail.com | +94 71 764 0600