YASAS BANUKA

Undergraduate Software & Network Engineering Student

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🔗 Portfolio: iamyasasbanuka.me | **LinkedIn:** linkedin.com/in/yasasbanuka | **GitHub:** github.com/YasasBanuka

CAREER SUMMARY

Final-year undergraduate pursuing dual degrees in Software Engineering (Hons) and Network Engineering, with hands-on experience in full-stack development, IoT systems, and enterprise-grade backend applications. Skilled in Java, Spring Boot, and Android development, with growing exposure to cloud technologies and DevOps practices. Passionate about designing scalable, and secure solutions.

EDUCATION

BACHELOR OF ENGINEERING (HONS) IN SOFTWARE ENGINEERING | IIC University of Technology   Aug 2021 – 2025
BACHELOR OF TECHNOLOGY IN NETWORK ENGINEERING | University of Vocational Technology   May 2024 – Present
G.C.E. ADVANCED LEVEL (TECHNOLOGY STREAM) | Mahinda Rajapaksha College, Homagama   Jan 2014 – Jan 2022

PROFESSIONAL EXPERIENCE

WEB DEVELOPER | Western Digital Computer Systems & Electronics (PVT) LTD | Hybrid   Jul 2023 – Apr 2024

- Developed and maintained 3 company websites using WordPress, Elementor, HTML, CSS, PHP and JavaScript, improving site usability and customer engagement.
- Managed social media campaigns and SEO optimization, increasing digital visibility.

FREELANCE WEB DEVELOPER | Freelancer.com | Remote   Sep 2021 – Jun 2023

- Built custom websites and applications for international clients with focus on responsive design and CMS solutions.
- Delivered projects across e-commerce, travel, and service industries, ensuring timely delivery and strong client feedback.

PROJECTS

FULL-STACK E-COMMERCE APPLICATION

Individual Project | Frontend: github.com/YasasBanuka/ecom-frontend | Backend: github.com/YasasBanuka/ecom-backend

- Designed and developed a full-stack e-commerce solution with a modern frontend using React and Vite.
- Implemented a robust backend with Spring Boot, H2 database, and Spring Security for secure API management and data handling.
- Utilized Axios for efficient API communication between the frontend and backend, demonstrating strong full-stack integration skills.
- **Technologies:** React, Vite, Axios, Spring Boot, Spring Security, JWT, AWS S3, H2 Database

DATA MONETIZATION SOFTWARE SYSTEM – PRODUCTION MODULE

r-pac Printcare Lanka (Pvt) Ltd | Repo: github.com/YasasBanuka/RPac-Data-Monetization-System

- Contributed to the production module using Java SE and MySQL; implemented centralized data recording and automated workflow components.
- Worked with stakeholders to translate requirements to features; used Git for source control and JUnit for unit testing.
- **Technologies:** Java SE (Java Swing), MySQL, Git, Junit

QUICKCART – MOBILE FOOD DELIVERY APPLICATION

Individual Project | Repo: github.com/YasasBanuka/QuickCart

- Implemented Firebase Authentication and Realtime Database for user profiles, menu and orders; added push notifications for order updates.
- Integrated PayHere payment gateway and implemented post-payment notification feedback & order status updates.
- **Technologies:** Android SDK, Java, XML, Firebase, PayHere API

SMART GAS DETECTOR – IOT SAFETY SYSTEM

Individual Project | Repo: github.com/YasasBanuka/Smart-Gas-Detector

- Designed an IoT-based gas detection system using MQ-2 sensor and ESP32
- Developed mobile application with React Native and Expo for real-time monitoring
- Created Java EE backend server to process sensor data and deliver alerts
- **Technologies:** ESP32, React Native, Java EE, Gson, React Native, Expo

TECHNICAL SKILLS

- **Programming Languages:** Java (Java EE, Java SE), JavaScript (ES6+), C#
- **Web Technologies:** HTML, CSS, React.js, Spring Boot, Node.js, REST API, Axios, Bootstrap, TailwindCSS, Elementor
- **Mobile Development:** React Native, Expo, Android SDK, XML
- **Cloud & Databases:** Azure Custom Vision, MySQL, H2 Database, SQLite, Firebase, AWS S3
- **Frameworks & Libraries:** Hibernate, Gson, Spring Security, JPA, JPQL, Junit
- **Tools & Version Control:** Git, Postman, Arduino IDE, NetBeans IDE, Eclipse, GlassFish, Payara
- **Methodologies & Concepts:** Object-Oriented Programming (OOP), IoT Systems, Unit Testing, CI/CD (conceptual), Docker & Containerization (conceptual), RESTful API design, Agile / Scrum, Authentication & Authorization (Spring Security, JWT basics), Database design & normalization, Software Development Life Cycle (SDLC)

VOLUNTEERING & LEADERSHIP

IEEE Student Branch of University of Vocational Technology | Member   Jan 2025 – Present

- Increased branch membership **65% growth** within one year through active promotion and outreach.
- **Volunteer of the Month:** Recognized for outstanding dedication, consistency, and community impact.
- **IEEEXtreme 19.0 Ambassador:** Promoted global coding competition and guided student participation.
- **Publicity Lead – JamboreeIEEE:** Led Sri Lanka section-level publicity efforts, boosting event visibility and engagement.
- **Chair – TechSpark 1.0:** Conceptualized and launched the first-ever **TechSpark** event at UoVT in collaboration with the **Microsoft Learn Student Ambassadors**, bringing industry exposure to students.

LEO CLUB OF COLOMBO GRAND CIRCLE | Service Director   Dec 2024 – Present

ROBOTICS & INNOVATORS CLUB – MAHINDA RAJAPAKSHA COLLEGE | Member   2017 – 2021

- **Trainer – IoT Workshop (2018):** Served as a trainer at the IOT Workshop organized by the **Ministry of Education**, Sri Lanka, held at Mahinda Rajapaksha College, Homagama. I received the **Smart School Certificate** in recognition of this contribution.

CERTIFICATIONS

MICROSOFT AZURE FUNDAMENTALS (AZ-900) – KODEKLOUD
AZURE 101 – MICROSOFT LEARN STUDENT AMBASSADORS, SRI LANKA
BUILD AN IMAGE CLASSIFIER WITH AZURE CUSTOM VISION – MS LEARN STUDENT AMBASSADORS, SRI LANKA
DEVOPS FUNDAMENTALS – KODEKLOUD
POSTMAN API FUNDAMENTALS STUDENT EXPERT - POSTMAN
REACT BASICS & ADVANCED REACT - META