

YASAS BANUKA

Undergraduate Software & Network Engineering Student

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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, secure solutions and contributing to Innovative-e's mission of empowering businesses through cutting-edge cloud and software engineering innovations.

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-frontent | 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.
- **IEEEExtreme 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