



Sahan Salgado

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ABOUT ME

Aspiring software engineer fueled by a deep enthusiasm for technology, art and a relentless desire to grow and make a difference. Eager to embark on a journey of hands-on learning and innovation, with the goal of contributing fresh perspectives and creative solutions to real-world challenges. Ready to seize the opportunity to gain valuable experience and establish a strong foundation in the field of software engineering.

EDUCATION

- **University of Colombo School of Computing** *Colombo, Sri Lanka*
Bachelor of Science Honors - Software Engineering: CGPA: 3.57
May 2021 - Present
- **St. Sebastian's College** *Colombo, Sri Lanka*
G.C.E. Advanced Level Results Combined Maths: A, Chemistry: A, Physics: A
2019

EXPERIENCE

- **Zebra Technologies** *Colombo, Sri Lanka*
Non-Windows Software Engineering Intern *December 2023 - May 2024*
 - *Contributed to the development of Zebra Software products within a Linux environment.
 - *Deployment of microcomputer-based solutions.
 - **Technologies used:** C++, Java, Linux

PROJECTS

- **PoHM - Final Year Research Project : [GitHub]** *2024- Present*
 - Researched and developed a sustainable blockchain network utilizing the Proof of Human Mobility consensus algorithm.
 - Contributed to the design and implementation of the mobile platform.
 - * **Tools & technologies used:** Kotlin, Flutter, Go , Android Studio
- **PGMS - Post Graduate Management System for UCSC : [GitHub]** *2023*
 - Designed and implemented the project's architecture.
 - Implemented security features using Spring Boot and React, incorporating JWT-based authentication and refresh tokens.
 - * **Tools & technologies used:** Springboot, React JS, PostgreSQL, IntelliJ IDEA
- **Multi-featured mobile app : [GitHub]** *2024 - present*
 - Developed a mobile application featuring a location finder with geo-location services and a random location selector based on the user's current position
 - Integrated OpenStreetMap for interactive mapping and navigation capabilities
 - Generate Public key from Private key and store in Key Store and Encrypted Shared Preferences
 - Payload signing mechanism and verification mechanism
 - Speed tracking system with sensor data
 - * **Tools & technologies used:** Kotlin, Android Studio
- **BloodLink - Gathering Table for blood donations and management : [GitHub]** *2022*
 - Implemented both back-end and front-end components for a Hospital and Blood Bank Management System.
 - Implemented role-based user access control.
 - * **Tools & technologies used:** PHP, Javascript, MySQL, HTML, CSS
- **SURVIVE - GoDot game : [GitHub]** *2023*

- 2D top down open world game with multiple levels.
- Music and enemy movements included with a final boss to beat.
- * **Tools & technologies used:** GoDot

-Micro Service : [GitHub]

2023

- Implemented a microservice system as a learning and a personal project with spring boot.
- * **Tools & technologies used:** Spring boot, Postgres SQL, Postman

TECHNICAL SKILLS

Languages: Java, PHP, JavaScript, Python, C, C++, Solidity
Frameworks: Spring Boot, React JS, .NET
Cloud/Databases: MySQL, PostgreSQL, AWS, MongoDB
Mobile Technologies: Kotlin, Flutter
Game Engines: GoDot
Other Technologies: Git, Linux, Docker

SOFT SKILLS AND INTERESTS

Soft Skills: Communication, Problem-solving, Time management, Collaboration, Adaptability
Areas of Interest: Product/Web Development, Game Development, Blockchain, Smart Contracts
Research Interest: Blockchain, Networking
Sports: Table Tennis, Badminton

POSITIONS OF RESPONSIBILITY

- Event Head**, Rotaract Club ,UCSC 2023 - 2024
- Organizer**, 4th Year Career Fair ,UCSC 2025

ACHIEVEMENTS

- Director's List Awardee**, University of Colombo 2022 - 2025
Achievement for achieving semester GPA more than 3.7
- MadHack 3.0**, Top 10 Finalist 2024
A 24 hours Mobile Development Hackathon organized by the IEEE UCSC
- MadHack 2.0**, Top 10 Finalist 2023
A 24 hours Mobile Development Hackathon organized by the IEEE UCSC
- SEBS Price Giving 2020** Best Student of the Year 2020
Allrounding Student of the academic year 2019 @ St.Sebastian's College

CERTIFICATES

- Java and Spring Framework for Beginners with Spring Boot**, Udemy
- Python for Data Science, AI and Development**, IBM (Coursera)
- Introduction to GitHub Actions**, Duke University(Coursera)
- Blockchain Basics**, LinkedIn Learning(Learning Path)
- Postman API Fundamentals Student Expert**, Postman
- Jenkins : Automating your delivery pipeline**, Coursera

REFERENCES

- Dr. Asanka Sayakkara
Senior Lecturer UCSC
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- Chathushala Kolambage
Software Specialist, Non-Windows
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