



JANITH HATHNAGODA

SOFTWARE ENGINEER

PROFILE INFO

As an IT undergraduate, I am eager to transition my robust academic learning into practical software engineering solutions. With a strong foundation in programming languages and software development practices, I am particularly keen on contributing to projects that leverage innovative technologies. I excel in environments that challenge my problem-solving capabilities and foster teamwork.

Language: English ●●●●●

EDUCATION



BSc (Hons) in Information Technology

University of Moratuwa (Expected Graduation: 2025)



Bandaranayaka College Gampaha (2011 - 2019)

SKILLS

Programming Languages

- Java • Python • Javascript • C#
- Typescript • Go

Web Development

- React • Node.js • HTML • CSS

Testing & Automation

- Unit/Integration Testing (Jest)
- Load Testing(JMeter)
- Automation Testing(Serenity BDD)

Cloud & DevOps

- AWS • Docker • Kubernetes
- Jenkins

Database

- MySQL • MSSQL • Mongo DB

Version Controlling • Git

Non Technical and interpersonal skills

- Communication • Time management
- Problem solving • Leadership

REFERENCES

Dr. Upeksha Ganegoda

Senior Lecturer

University of Moratuwa

Phone: 0719968294

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Mr. Binura Gunasekara

Associate Director/Software Architect

WSO2 (AU)

Phone: +61436501288

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ACADEMIC ACHIEVEMENTS



Dean's List Recognition: Sem 2, Sem 3, Sem 4, Sem 5

Current Overall GPA : 3.85



Advanced Level Examination (A/L):

- Combined Mathematics : A
- Chemistry : A
- Physics : B
- General English : A



Ordinary Level Examination (O/L): 9 As'

WORK EXPERIENCE

WSO2, Colombo, Sri Lanka

January 2024 - June 2024

Software Engineering Intern

- Developed scalable cloud applications using WSO2's Choreo and Asgardeo with technologies including Ballerina, React JS, and TypeScript.
- Enhanced skills by developing a GitHub PR Commenting Bot tool using OAuth, HTTP requests, and GitHub API.
- Implemented features and optimizations in L4/L7 loadbalancers
- Conducted performance and load testing and created OpenAPI documentation.
- Identified and resolved critical bugs in enterprise code repositories, improving system performance.

CERTIFICATIONS AND LANGUAGE PROFICIENCY:

- Completed Cambridge English Flyers, KET, PET Exams, British Council Colombo
- International Diploma in Computing, IDM Nations Campus
- Diploma in Software Engineering, Esoft Metro Campus

PROJECTS

Conversational AI bot for Automated Data Retrieval

September 2024 - Present

Technologies: ML, NLP, Python

Project Description: Developed a conversational AI chatbot using Python. The chatbot can understand and respond to natural language queries, providing accurate and timely information. The required data are searched in excel files.

Automated GitHub PR Commenting System

Feb 2024 - April 2024

Technologies: GitHub API, TypeScript, Octokit, Express.js

Project Description: Developed "CodeCommentor", a GitHub App that automates feedback on PR build statuses, enhancing the development workflow by providing instant, transparent feedback on the Choreo platform. Implemented using TypeScript and integrated with GitHub API for real-time PR management.

TCP/UDP Load Balancer Development

April 2024 - June 2024

Technologies: Go, TCP/IP, HTTP, YAML, pprof, Apache JMeter, Kubernetes

Project Description: Engineered Level 4 and Level 7 load balancers capable of managing high-volume network traffic, ensuring efficient distribution across servers. Implemented vital health checks and developed using Go's concurrency features to maintain system performance under load. Deployed and managed this app in kubernetes to facilitate scalable operations

Grama App Backend Services

January 2024

Technologies: Ballerina, Choreo, MySQL, Twilio, Asgardeo

Project Description: Led backend development for the Grama App, creating APIs for identity and police checks to streamline public service applications. Integrated SMS notifications and user management features to improve user engagement and security.

Event Photography and Donation System, Team Leader

January 2022 - December 2022

Technologies: Flutter, Node.js, MongoDB, AWS S3

Project Description: Developed "PhotoboothMe", a comprehensive platform for event photography management, enabling customizable package selections for users. The system features a robust authentication process, role-based access, and seamless photo uploads and downloads using AWS S3, enhancing user engagement and administrative efficiency.

Company Trash Robot, Team Leader, 2021 -2022

January 2021 - December 2021

Technologies: Atmel Studio 7 (C Programming) , Proteus Software, Blender software, Kicad Software

Project Description: Designed and built a robot capable of efficiently collecting trash within IT companies. The primary goals were to develop a robot that could navigate through a predefined path using DC motors and encoders.

EXTRACURRICULAR ACTIVITIES

- Member, IEEE Student Branch, University of Moratuwa
 - Participated in NFB Championship
- Member, Rotaract Club Moratuwa, University of Moratuwa
- Swimming Squad, Bandaranayaka College Gampaha
- Member, Science Society, Bandaranayaka College Gampaha, 2017 -2019