Navod Dilshan
Computer Engineer

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- portfolio/NavodDilshan

WORK EXPERIENCE

Software Developer | Astriv Solutions   **Sep 2025 - Present**

- Implemented the front-end and back-end of the company's product website

Key Skills - Next.js, Node.js, Supabase, SQL, Tailwind

Intern - Software Engineering | London Stock Exchange Group   **Apr 2024 - Dec 2024**

- Developed Python scripts to analyze log files, extract relevant information and convert them into Cucumber format in order to automate the testing workflow.
- Extended the functionalities of the system testing framework developed using Spring Boot and RMI to cover more testing patterns and components
- Implemented support tools using Bash scripting and Git hooks to reformat commit messages according to company standards. Also added Clang-Tidy checks to reformat the codebases accordingly.

Key Skills - Java, Python, C, Automation, Regular Expressions, Bash scripting, Linux, Technical documentation

EDUCATION

University of Sri Jayewardenepura
BSc. Eng. (Hons) in Computer Engineering
Second Class Upper Division, GPA: 3.56
Mar 2021 - JUL 2025

D.S. Senanayake College, Colombo 07
GCE A/L Examination
Physical Stream - A and 2B's
May 2016 - AUG 2019

PROJECTS

Health Detect Mobile Application   - React Native, React, Node.js, Firebase, Machine Learning, Gemini AI, Stripe, Expo

- A mobile app enabling users to track health data and receive community and professional support.
- Integrated machine learning models enabling users to input symptoms and receive a possible list of illnesses
- Integrated a Gemini AI chatbot for users to get basic medical assistance
- Developed a payment gateway using Stripe to purchase tokens and get professional assistance from registered doctors. Allowed the registered doctors to maintain profiles to earn from users based on the online assistance they provided
- Implemented a navigation system for users to obtain the physical locations of the private clinics of the doctors

Job Portal   - Spring Cloud microservice, Mongodb, Docker, Zipkin

- Developed a job portal using spring cloud framework according to a microservice architecture.
- Configured a service registry for service discovery, a config server for storing service data, and an API gateway with load balancing for efficient routing.
- Enforced Spring Security to secure service endpoints, ensuring overall system security.

Wandernet   - Flutter, Node.js, MongoDB, Flask, LLM models, Google Services, Flask

- Developed a social media application dedicated to uplifting the tourism industry. Providing a platform for travelling enthusiasts to share experiences and generate travel plans.
- Designed three separate routing algorithms and developed them using Python to generate travel routes based on timing constraints and user preferences. Integrated a map to display the ideal route generated.
- Integrated the application with the TripAdvisor API to receive location data and user reviews
- Improved a marketplace feature for users to advertise their businesses that are located near tourist attractions

Babymate   - React Native, Node.js, Expo, Firebase, CSS

- A mobile application developed using React Native with the purpose of enabling the parents to digitally track their child's health and development.
- Implemented tests and a scoring system to check for color blindness, autism and hearing defects in children
- Built features to track vaccination progress and children's BMI values

CERTIFICATIONS

Python for Beginners
Offered by University of Moratuwa

SQL Essential Training
Offered by LinkedIn

Web Design for Beginners
Offered by University of Moratuwa

Learning Linux Shell Scripting
Offered by LinkedIn

Java Object-Oriented Programming
Offered by LinkedIn

Learning Jenkins
Offered by LinkedIn

TECHNICAL SKILLS

Programming Languages - Java, Python, C++, JavaScript
Frontend - React, Next.js, React Native, Flutter, Tailwind, CSS
Backend - Node.js, Spring Boot, FastAPI
Databases - Supabase(Postgres), MongoDB, Firebase
Cloud - AWS
Tools - Git, Postman, Jenkins, Docker, Figma

EXTRACURRICULAR ACTIVITIES

Volunteer at AIESEC   Sep 2022 - Jan 2024
- Local Committee Vice President for Outgoing Global Talent
- Organizing Committee Vice President for Digital Experience | Syndicate 2.0
- International Relations Team Leader | Outgoing Global Volunteer
- EwA Innovations Manager
- EwA Innovations Team Leader
- Organizing Committee President Volunesia
- Organizing Committee Vice President for Logistics | Tribute 22

Member of the Aeronautical Society   2017 - 2018
D.S. Senanayake College

REFERENCES

Mr. Hishara Mudalige
Tech Lead,
London Stock Exchange Group,
Malabe
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Mr. Anupa Satharasinghe
Software Engineer,
London Stock Exchange Group,
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