Thevindu **Kulasinghe**

SOFTWARE ENGINEER (INTERN) · SPRING BOOT + REACTJS

Kirulapone, Colombo, Sri Lanka

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Summary

Results-driven Software Engineering intern with a two-year experience at Sysco LABS and Imigap. Specializing in Spring Boot and React, I bring a versatile tech stack, including NodeJS, MongoDB, ElasticSearch, GraphQL, Azure, Docker, PostgreSQL, Firebase, and more. My passion lies in using software engineering as a tool to solve real-world business challenges. With a background in supply chain management and finance from CIMA, I offer a unique blend of technical expertise and domain knowledge. Outside work, I'm a karting enthusiast, showcasing the same determination on the racetrack as I do in my projects. Ready to contribute impactful solutions to drive business success.

Technical Exposure

- **Frameworks:** Spring; React JS; Node JS; Express JS;
- **Languages:** Java; JavaScript; C#; Dart;
- **Databases:** MySQL; MSSQL; Mongo DB
- **Tools:** Visual Studio; Visual Studio Code; Eclipse; NetBeans; IntelliJ; Android Studio;
- **Other:** Azure; AWS; Firebase; GIT; Docker; Jenkins; Firebase; Linux;
- **Areas of Interest:** Software Engineering; Software Architecture; Software Design; Software Quality Assurance; DevOps; Cloud Computing; Open Source Contributions;

Work Experience

Sysco LABS Technologies (Pvt) Ltd
Sri Lanka

INTERN - SOFTWARE ENGINEERING
November 2023 - Present

- Developed Sysco Shop application that enables customers to order products online.
- Implemented Spring Boot and React JS layered architecture to ensure code reusability and maintainability.
- Developed applications with GraphQL and ElasticSearch
- Created documentation that helps to understand the overall Search architecture in Sysco products suit.
- Actively participated in Agile Scrum meetings and contributed to the code review process.

Imigap (PVT) Ltd
Sri Lanka

SOFTWARE ENGINEER CUM DEVOPS ENGINEER - INTERN
May 2022 - May. 2023

- Orchestrated the deployment of live projects on AWS, ensuring smooth operation.
- Managed databases and servers, optimizing performance using AWS services.
- Implemented CI/CD pipelines on AWS to automate project workflows.
- Collaborated with senior engineers in code reviews to enhance code quality.
- Actively participated in Agile Scrum meetings and contributed to the code review process.

Commercial Technologies Plus
Sri Lanka

BUSINESS ANALYST - INTERN
Jul. 2022 - Dec. 2022

- Developed user interfaces (UI) for live projects using NEXT.JS, focusing on an intuitive user experience.
- Conducted comprehensive business analysis for live projects, identifying key requirements and objectives.
- Engaged with clients to gather project requirements, ensuring alignment with business goals.
- Created detailed documentation, including supporting evidence, to facilitate project understanding and execution.

Projects

High Throughput Bulk Ordering System ⌨
Sysco LABS

FULLSTACK DEVELOPER
2024

- This microservice application mimics a high throughput bulk ordering system
- Uses Apache Kafka reduce the ordering round time
- Users can submit orders by sending files to a SFTP server and periodically system will generate orders and supply orders for suppliers
- Tech Stack: Spring Boot, React JS, Express JS, Apache Kafka, Postgre SQL, Docker

WiseBaseAI - GenAI Knowledge Management System 🔗 *Veracity Group*

BACKEND DEVELOPER *2024*

- Retreival Augemented Generation application that was developed for Veracity GenAI Hackathon 2024
- Application is able to derive answers from a large user defined data source and generate chat based answers with the factual data
- User has the ability to input multiple formats of data such as documents, sound clips and photos
- Tech Stack: NEST.JS, React, LangChain, Neo4J

Be My Voice - On-Device ANN Sign Language Detection for Android 🔗 *UCSC*

BACKEND DEVELOPER AND SCRUM MASTER *April 2023 - Nov. 2023*

- Developed a cutting-edge mobile application that bridges communication gaps by translating Sinhala Sign Language to Sinhala Language, simultaneously serving as an educational tool for learning Sign Language.
- Implemented a privacy-centric approach by processing data locally on edge devices.
- Tech Stack: .NET Core, React Native, Azure, Docker, Kubernetes, Python, TensorFlow, OpenCV

VisionVID - GenAI based Text-to-Video Generator 🔗 *UCSC*

BACKEND DEVELOPER *2023*

- Streamlined the content creation process by developing a web application that generates short video clips from text.
- VisionVID harnesses the power of Open AI API, Leonardo.ai API and Google Vertex API to generate short video clips with just an idea prompt from a user.
- Tech Stack: Express.js, React. FFMpeg, MongoDB

Education

B.Sc in Computer Science *Sri Lanka*

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING *April. 2021 - April. 2024*

- Second Class Upper Division
- Related Coursework: DSA, OOP, Database Systems, Computer Networks, SE, Operating Systems, Middleware Architecture and Graph Theory

Diploma in Management Accounting *Sri Lanka*

CHARTERED INSTITUTE OF MANAGEMENT ACCOUNTANTS *April 2023 - April 2024*

- Related Coursework: Management Accounting, Financial Accounting, Business Economics, Business Law, Business Mathematics, and Taxation

Certificates

2022	**AZ - 900 Microsoft Azure Fundamentals,** Microsoft	
2022	**POSTMAN API Fundamentals Student Expert,** POSTMAN Inc.	
2021	**Fundamentals of Project Management,** Google Inc.	

Awards & Community Outreach

AWARDS AND RECOGNITIONS

2023	**1st Runners Up,** Asia Pacific Advanced Network (APAN56) Datathon 2023	*APAN56*
2023	**1st Runners Up,** CodeRally 4.0	*IEEE CS IIT*
2023	**1st Runners Up,** MADHack - Mobile Development Hackathon	*IEEE UCSC*

COMMUNITY OUTREACH

2023	**Microsoft Learn Student Ambassador,** Microsoft Inc	
2023	**IEEEXtreme Ambassador,** Institute of Electrical and Electronics Engineers	

References

Munsif Musthafa *Sysco LABS Technologies (PVT) Ltd*

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Dr Chaminda Ranasinghe *IdeaHub (Pvt) Ltd | UCSC*

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