Thevindu **Kulasinghe**

Software Engineer (Intern) · .NET Developer
Kirulapone, Colombo, Sri Lanka

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Summary

I'm a Computer Science undergraduate with a strong interest in FinTech. As a software engineering intern, I specialize in Spring based backend and React based fronend development and have experience in creating innovative solutions. Proficient in Spring, React JS, and Express JS, I'm eager to apply these skills to Supply Chain Management. I thrive in agile, collaborative environments and stay updated on industry advancements. My goal is to contribute my expertise to successful software engineering projects, leveraging technology to address a greater cause.

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 Testing; 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

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

VisionVID - Generative AI 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

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

MedEx - Supply Chain Management system for multibranch pharmaceuticals ⬛ _UCSC_

BACKEND DEVELOPER AND SCRUM MASTER _Nov. 2022 - April 2023_

- Spearheaded the development of MedEx, a web-based supply chain management system for the medical supplies sector.
- Applied Agile Software Development Methodology, adhering to Object-Oriented Design Principles, Design Patterns, and SOLID Principles.
- Tech Stack: PHP, MySQL, HTML, CSS, JavaScript

Mock HTTP Server with Java Network Interface ⬛ _UCSC_

BACKEND DEVELOPER _2022_

- Developed a lightweight HTTP server in Java capable of handling HTTP requests and serving web content.
- Implemented features for parsing HTTP requests, determining HTTP method, requested path, and handling various HTTP status codes.
- Designed the server to dynamically resolve file paths and deliver content while properly setting content types.
- Technologies Used: Java, Socket Programming, Java NIO, HTTP/1.1 Protocol

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.

2022 **Certificate for Introduction to Containers, Kubernetes, and OpenShift**, EdX 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

CEO | Senior Lecturer _IdeaHub (Pvt) Ltd | UCSC_

DR CHAMINDA RANASINGHE _chaminda@ideahub.lk | 777444443_

Chief Executive Officer _Imigap (PVT) Ltd_

LASITH CHANDUPA _lasith@imigap.com | 766976656_