ASITHA MUTHUMALA
Software Engineer

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PROFILE

A passionate and versatile software engineer with a proven ability to tackle any challenge, thriving in problem-solving situations. Committed to teamwork and embracing challenges that foster both personal and professional growth, I bring a growth-oriented mindset and strong interpersonal skills to every project.

SKILLS

- **Java | PHP | Python | JavaScript | TypeScript | MySQL | Oracle SQL | MongoDB | HTML | CSS | AWS | Angular | React | Vue | Redux**
- **Spring Boot | Laravel | Node | Express | Git | DevOps | Docker | Kubernates | ORM | REST API | Microservices | Full-Stack | Figma**
- **Software Design | UI Design | OOP | Solid Principles | Software Design Patterns | Technical Writing | Problem Solving**

WORK EXPERIENCE

Software Engineer   **Central Finance Co PLC**   Colombo, SriLanka   01/2024 - Current

- Contributed to the development of a **savings system** in the **financial-technology** domain using **Java, Spring Boot, Angular, and Oracle SQL**. Involved in every project phase, from gathering requirements and development to thorough testing.
- Built a **centralized integration system** to streamline **client on-boarding**, adhering to enterprise software standards.
- Optimized back-end solutions and database operations, ensuring **high performance**, data security, and integrity by leveraging **Spring Security** with advanced authentication techniques.
- Employed **FeignClient** for efficient **microservices** communication, developed reusable interfaces, and implemented Oracle SQL **stored procedures** for robust back-end data operations.
- Designed and implemented an **End-of-Day (EOD)** process for the savings project using **Spring Scheduler** and threading to ensure reliable daily operations and data integrity.

Associate Software Engineer   **eBEYONDS (Pvt) Ltd**   Colombo, SriLanka   10/2023 - 12/2023

- Contributed to a collaborative effort within a team to develop and maintain an eCommerce platform using **VueJS, Laravel, Eloquent ORM, MySQL, and AWS S3 Bucket**.
- Implemented the **SMS opt-out** feature using a **microservice** and optimized the bulk SMS feature at the API level, increasing efficiency by 30% to enhance customer engagement.
- Identified and resolved critical **authentication bugs** by creating new **middleware**, ensuring a more secure and reliable system.
- Developed robust and efficient APIs with Laravel and Eloquent ORM, facilitating seamless data transfer and integration.

Software Engineer, Intern   **Paraqum Technologies**   Colombo, SriLanka   11/2022 - 05/2023

- Developed a web application for licensing and client management using **ReactJS, NodeJS, ExpressJS, and MySQL**. Involved in all phases of development, from requirement gathering to final implementation.
- Implemented secure user **authentication and authorization** using JWT, with **email verification** for updating user credentials.
- Designed and implemented the user interfaces of the system, developed and integrated back-end **APIs** related to the UI's.
- Developed back-end logic and services to support application features, ensuring seamless data management.

PROJECTS

ScheduleMate Full-Stack Development   2023 - 2024

- Schedulemate: A web-based, expandable scheduling system specifically developed for small businesses in the tourism sector. The first stage focuses on water-related activities, particularly boat tours, with plans for future expansion to accommodate other types of tourism.
- Tools & Technologies: Angular, NG bootstrap, Java, Spring Boot, MySQL, Docker, Firebase

WalletGuard Full-Stack Development   2023 - 2024

- WalletGuard: An Android expense tracking app that helps users manage their personal finances by tracking income and expenses.
- Tools & Technologies: React Native, NodeJS, ExpressJS, MySQL, REST API

BLOOMFIELD   Full-Stack Development   05/2022 - 10/2022

- BLOOMFIELD: The third-year group project that developed a web-based online member management and decision support system for a cricket club. The system features user authentication, authorization, session management, email automation, data visualization, and data entry components.
- Tools & Technologies: ReactJS(Material UI), JavaScript, ChartJS, NodeJS, ExpressJS, MySQL, REST API

SHELFS   Full-Stack Development   03/2021 - 03/2022

- SHELFS: The second-year group project that developed a web-based platform for buying and selling used books using **MVC architecture.** Implemented essential functionalities for the delivery process and book searching, while ensuring seamless database connections.
- Tools & Technologies: Java, Java EE, JavaScript, MySQL, HTML, CSS

EDUCATION

Bsc in Computer Science - University of Colombo School of Computing   03/2020 - 09/2023

- **Core Modules -** DSA, DBMS, Rapid Application Development, Middleware Architecture, Operating System, HCI.

GCE Advanced Level Examination - Ruhunu Vijayaba College, Beliatta   2016 - 2018

- Subjects - Combined Mathematics : A, Physics : B, ICT : B
- District Rank : 2

ACHIEVEMENTS

- FreshHack Competitive Programming - UCSC ISACA   Finalist team
- Road to CodeMania '21: Python Fundamentals & Algorithmic Programming.   [IEEE Computer Society of SLTC]
- Responsive Web Design Developer Certification   freeCodeCamp

ORGANIZATIONS & VOLUNTARY WORKS

- An active member of the Exploration Club of UCSC   2021 - 2023
- Organizing Committee Member of the Environmental Club of UCSC   2021 - 2023
- Former team member of the Music Circle of UCSC   2020 - 2023

REFERENCES

- **Dr. LNC De Silva** - Senior Lecture, **University of Colombo School of Computing**, +94773889156, lnc@ucsc.cmb.ac.lk

- **Mr. Bhanuka Praneeth** - Senior Software Engineer, **Paraqum Technologies**, +94717605420, bhanuka@paraqum.com