THIRANJAYA MUNASINGHE
Senior Software Engineer

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SUMMARY

Senior Software Engineer with experience in designing, developing, and deploying scalable software solutions, primarily using Node.js, React, MongoDB, MySQL, and AWS. Promoted to Senior Software Engineer at Allion Technologies within six months for top performance. Proven ability to lead and mentor, managing an associate engineer on the Toothsome project. A quick learner with a passion for leveraging cutting-edge technologies to solve complex problems and continuously enhance product performance. Actively seeking a challenging role where I can contribute to innovative projects and further develop my skills.

EXPERIENCE

Senior Software Engineer

Allion Technologies - Team Toothsome

📅 04/2024 - Present

Toothsome is a platform revolutionizing the dental industry by promoting price transparency and making premium dental services easily accessible. It connects patients with specialized dental needs to top-tier professionals, optimizing patient-doctor matching to ensure the best outcomes for both.

- Redesigned the legacy Toothsome client app by developing a full-stack lead qualification application, boosting app speed by 40%. The system analyzes client responses to predefined questions, efficiently matching them with the most suitable dental practitioners based on their specific needs.
- Developed an admin dashboard to manage leads, reducing manual work by 70% and improving tracking and management of clients.
- Created a reusable email module using Nodemailer and AWS SES, improving the platform's email communication capabilities and streamlining notification processes.
- Mentored an associate software engineer, providing code reviews and guidance to maintain high code quality and consistency across the project.
- **Technologies & tools:** Next.js, Node.js, PostgreSQL, SST, AWS, Tailwind CSS
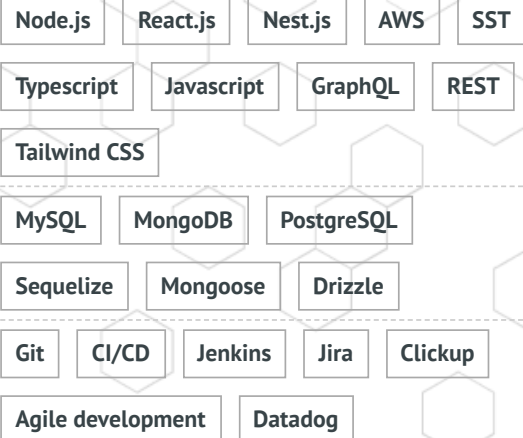
Software Engineer

Allion Technologies - Team Muve

📅 09/2023 - 03/2024

Engaged in the "Muve" project for Mûve, a rapidly growing law firm specializing in conveyancing services based in London and Colombo. The Data Lake Project, a key initiative, integrates data from various operational tools into a single repository, enhancing the firm's ability to derive actionable insights and optimize business operations

- Involved in the integration of four operational platforms (Active Directory, Hoowla, HubSpot, Ringcentral, FreshDesk) into a single datalake, substantially optimizing Muve's operational efficiency.
- Integrated the WorkComposer platform into the datalake infrastructure to enable comprehensive analysis of user behavior, handling more than 250,000 data points daily.
- Implemented a Dead Letter Queue (DLQ) system with an automatic clearance mechanism, effectively mitigating data loss and ensuring high data integrity and availability.
- Utilized various AWS services including Lambda, SQS, Batch jobs, Step Functions, Kinesis, and EventBus for integrations, enhancing the scalability and reliability of cloud infrastructure.
- Developed comprehensive unit and API tests to ensure the reliability and stability of the system.
- Collaborated closely with cross-functional teams including QA, DevOps, and product managers to ensure seamless delivery of new features and system improvements.
- **Technologies & tools:** Node.js, Nest.js, REST APIs, MySQL, AWS (Lambda, SQS, Step Functions, Batch jobs, Kinesis, EventBus), GitHub, Jira

SKILLS

Node.js React.js Nest.js AWS SST

Typescript Javascript GraphQL REST

Tailwind CSS

MySQL MongoDB PostgreSQL

Sequelize Mongoose Drizzle

Git CI/CD Jenkins Jira Clickup

Agile development Datadog

EDUCATION

B.Sc. (Hons.) in Information Technology

University of Moratuwa

📅 09/2017 - 05/2022
- Faculty of Information Technology
- Second Class Honours (Lower Division)

Higher Education

St. Thomas' College Matara

📅 06/2007 - 08/2016
- G.C.E. Advanced Level: Combined Mathematics - A, Physics - A, Chemistry - C

AWARDS & ACHIEVEMENTS

FIT CodeRush (Jun 2020) - 6th place - Merit Award

Intra-faculty coding competition of Faculty of IT, UoM based on HackerRank platform

RealHack 2.0 (Nov 2019) - Selected for final 15

24-hour hackathon organized by the Software Engineering Students' Association, University of Kelaniya in collaboration with the IEEE Student Branch

MoraXtreme 4.0 (Oct 2019) - 53rd place among 300 teams

12 hrs inter-university coding competition organized by the IEEE Student Branch of UoM

Japura Execute Week of Code (2019)

Japura Execute Week Of Code 3.0 - 2nd place
Japura Execute Week Of Code 4.0 - 4th place
Japura Execute Week Of Code 2.0 - 4th place

Build a Robot (Aug 2018) - 5th Place

Inter-university robotics competition | By IEEE student branch of University of Moratuwa.

EXPERIENCE

Software Engineer

:Different Technologies (Pvt) Ltd - Team LGF

📅 01/2022 - 08/2023

Different manages over 1000 properties, ensuring precise property investment handling, from advertising to leasing and repairs. I contributed to financial process automation, enhancing both operational efficiency and compliance within the Australian real estate market.

- Implemented a system managing over $2 million per month including a double-entry accounting system and a trust accounting reconciliation system.
- Enhanced business-to-business operations by enabling external property management firms to utilize our system for their financial operations.
- Managed the financial transactions of 10+ agencies through our system, handling over 200,000 transactions monthly across more than 10,000 properties.
- Developed and implemented a supplier disbursement module to streamline payments to service providers, enhancing operational efficiency.
- Automated the generation and distribution of reconciliation report emails using AWS SNS and Lambda, ensuring timely, accurate financial compliance reporting without manual intervention.
- Developed both backend and frontend components for the finance transaction view, focusing on automating and providing comprehensive access to all inbound and outbound transactions for the operations team.
- Implemented an advance rent feature for leases, allowing users to pre-allocate funds from upcoming rent payments, which addressed limitations in the existing payment system and improved user flexibility and satisfaction.
- Integrated opening balances into the property journal, automating their monthly update via an AWS Lambda scheduled job, enhancing accuracy and efficiency.
- Improved statement generation by adding new features, including an activity log that records manual edits, increasing transparency and accountability in financial statements.
- Served as an on-call engineer for the LGF team, participating in rotational on-call duties to promptly address any system issues or emergencies.
- Conducted weekly demonstrations to showcase new features, illustrating their functionality and impact to stakeholders and team members.
- **Technologies & tools:** TypeScript, Node.js, GraphQL, React.js, MongoDB, AWS, Jenkins, GitHub, ClickUp

Trainee Software Engineer

Arimac Lanka - Team IMI

📅 05/2020 - 12/2020

During my internship at Arimac, I contributed to several projects for IMI Games, a Sri Lankan gaming portal. My role involved developing and enhancing various platforms, including a website, a mobile application, and analytics dashboards.

- Participated in the development of the IMI Games website, enabling gameplay on desktop browsers using Nuxt.js and Tailwind CSS. Focused on responsive design and user-friendly interfaces to enhance player experience.
- Contributed to build the IMI Games mobile application for Android & IOS, which allowed users to play a variety of locally developed mini-games on their mobile devices. Integrated Facebook Analytics to track user engagement and application performance.
- Developed multiple analytics dashboards for IMI Games, utilizing Vue.js to present data through interactive graphs and tables. These dashboards provided crucial insights into game performance and user interactions, aiding in strategic decision-making.
- Contributed to the development of the Hiru TV election result broadcast system, which involved creating real-time, dynamic graphics and data visualizations to display during live election coverage.
- **Technologies & tools:** Nuxt.js, Vue.js, Flutter, Electron, RabbitMQ, Tailwind CSS, Facebook Analytics

PROJECTS

Panthi - Tuition Classes in Sri Lanka - Personal Project

📅 01/2021 - 12/2023

Developed 'Panthi', a mobile application designed to connect students and parents with tuition classes in Sri Lanka. This platform facilitates the advertising of tuition sessions by educators and enables students to select classes based on subject and location.
Technologies & tools: Flutter, Firebase

First Aid Bot to Help in Domestic Accidents - Research Project

📅 02/2021 - 02/2022

Contributed to a research project focused on developing a first-aid chatbot that assists during domestic accidents. Key responsibilities included implementing augmented reality features and training a TensorFlow model to identify human body points for enhanced first-aid guidance.
Technologies & tools: TensorFlow Lite, Flutter

E-commerce Website for Jewel Pack - Software Project

📅 11/2018 - 10/2019

Created an e-commerce platform for Jewel Pack to expand their online presence and customer reach. Managed the website's hosting and maintenance.
Technologies & tools: Vue.js, Laravel, MySQL, Peek Hosting

Fingerprint Based Key Handling System - Hardware Project

📅 10/2017 - 09/2018

Designed and implemented a key management system using biometric and RFID technologies, enhancing security for medium-scale facilities.
Technologies & tools: AVR ATmega32, R305 Fingerprint Scanner, MFRC522 RFID, Atmel Studio

REFERENCES

Mr. Kasib Kismath

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