

# Sidath Munasinghe

Senior Technical Lead

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## Profile

I am a dedicated and highly skilled professional with over 7 years of experience in the software industry, demonstrating exceptional responsibility and strong leadership skills that effectively guide teams to achieve project goals. As an AWS-certified expert, I have a profound understanding of cloud infrastructure and services. I am passionate about learning and sharing knowledge, consistently staying updated with the latest technologies and trends. My deep interest in enterprise software design and development drives me to deliver innovative and scalable solutions.

## Areas of Expertise

Building Cloud-Native Solutions on AWS — Software Design & Architecture — Full-stack development — Leadership

## Skills

- **Programming Languages:** JavaScript, TypeScript, Java, Python
- **Frameworks and Tools:** NodeJS, ReactJS, Redux, GraphQL, React Native, Spring Boot, Hibernate, TypeORM, Liquibase, Serverless, Micro-frontends
- **DevOps:** Docker, Jenkins, GitHub Actions, Sonar, AWS, Terraform, AWS CDK, CI/CD, DataDog, LaunchDarkly
- **Databases:** MySQL, PostgreSQL, DynamoDB, MongoDB
- **Soft Skills:** Leadership, Mentoring & Coaching, Communication & Presenting, Creative Problem-Solving, Teamwork, Active Listening, Adaptability, Analytical Thinking

## Professional Experience

**Technical Lead/Senior Technical Lead, (99x — Raintree Systems Inc.) Colombo, Sri Lanka 12/2022 - Present**

- Leading the Enterprise Architecture team in designing and implementing a next-generation cloud-native serverless platform on AWS.
- Defined engineering standards and best practices to ensure high-quality software development.
- Designed and implemented Continuous Integration and Continuous Deployment (CI/CD) pipelines to automate and streamline the development process.
- Collaborating with cross-functional teams to ensure seamless integration and deployment of serverless solutions.
- Utilizing AWS services and best practices to build scalable, cost-effective, and resilient architectures.
- Driving innovation and adoption of cloud-native technologies within the organization.
- Providing technical leadership and mentoring to team members in cloud-native and serverless architecture.
- Ensuring alignment with business goals and technical requirements through effective communication and project management.
- Technologies & tools: TypeScript, ReactJS, NodeJs, GraphQL, PostgreSQL, Serverless, Event-driven architecture, AWS Services (Lambda, Cloudfront, S3, CloudFormation, API Gateway, Cognito, AppSync, DynamoDB, RDS, Route53, CloudMap, EventBridge, CloudWatch), DataDog, LaunchDarkly, Pendo, GitHub Actions

**Associate Technical Lead, (Sysco LABS — Shop)****Colombo, Sri Lanka** 08/2021 - 12/2022

- Developed a web-based solution to enhance the shopping and ordering experience for Sysco customers.
- Created comprehensive technical designs to guide the development process.
- Engaged in full stack development, ensuring seamless integration of front-end and back-end components.
- Production monitoring and support to resolve issues.
- Conducted thorough testing to ensure the reliability and performance of the application.
- Collaborated with stakeholders to understand requirements and deliver a user-friendly solution.
- Technologies & tools: Java, ReactJS, NodeJs, Spring Boot, GraphQL Federation, PostgreSQL, DataDog, SonarQube

**Senior Software Engineer, (Sysco LABS — Digital Archive)****Colombo, Sri Lanka** 09/2020 - 08/2021

- Developed a web-based solution for Sysco ECM management to search, browse, and download terabytes of data.
- Engaged in full stack development, ensuring efficient front-end and back-end integration.
- Designed and implemented robust APIs to facilitate data access and management.
- Integrated authentication mechanisms with Single Sign-On (SSO) for secure user access.
- Conducted performance testing and improvements to ensure the system's scalability and responsiveness.
- Collaborated with stakeholders to gather requirements and deliver a user-centric solution.
- Technologies & tools: ReactJS, NodeJs, Serverless Framework, AWS Services (Lambda, Cloudfront, S3, CloudFormation, DataSync, Cognito, Elasticsearch), JMeter

**Senior Software Engineer, (Sysco LABS — PayPlus)****Colombo, Sri Lanka** 02/2020 - 09/2020

- Developed a web-based solution for Sysco HR to simplify driver pay calculation, generate reports, and distribute them to consumers.
- Designed and implemented the initial framework to kickstart the project.
- Engaged in full stack feature development, ensuring comprehensive and cohesive functionality.
- Integrated authentication and authorization mechanisms to secure user access.
- Implemented audit trailing to ensure data integrity and track changes.
- Technologies & tools: Java, ReactJS, NodeJs, PostgreSQL, Hibernate, Liquibase, Spring Boot, AWS Services (Lambda, ECS, Cloudfront, S3, CloudFormation)

**Software Engineer, (Sysco LABS — CAKE Point of Sale)****Colombo, Sri Lanka** 07/2019 - 02/2020

- Led the full integration of the CAKE ecosystem to enable fingerprint authentication for POS systems.
- Implemented secure encryption and decryption mechanisms to ensure the safety of stored biometric data.
- Conducted end-to-end design, development, and testing to deliver a robust and reliable authentication system.
- Ensured seamless integration with existing POS infrastructure and workflows.
- Collaborated with cross-functional teams to meet project requirements and deadlines.

**Software Engineer, (Sysco LABS — MDA Insights)****Colombo, Sri Lanka** 01/2019 - 07/2019

- Digitized agreement contracts and automated the extraction and retrieval of data to facilitate informed decision-making.
- Conducted end-to-end research and development to design an effective digitization solution.
- Developed and implemented automated processes for data extraction and retrieval from digitized contracts.
- Ensured robust searching capabilities to quickly access relevant contract information.
- Conducted comprehensive testing to validate the accuracy and reliability of the solution.
- Technologies & tools: ReactJS, Node, Python, Tesseract, AWS Services (Elasticsearch, ECS, Lambda, Fargate, API Gateway)

## Education

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### M.Sc. in Data Science *University of Moratuwa*

Moratuwa, Sri Lanka 2020-2022

Awarded the Gold Medal for outstanding academic achievement in the Master of Science in Computer Science program. This accolade recognizes exceptional performance and significant contributions to the field, reflecting a high level of expertise and dedication throughout the course of study.

### B.Sc. Engineering (Hons) *University of Moratuwa*

Moratuwa, Sri Lanka 2014-2018

Graduated with a distinction of First Class Honours, demonstrating exceptional academic performance and a deep understanding of the subject matter. Maintained a high GPA of 3.92 on a 4.20 scale, reflecting a consistent commitment to excellence and a strong grasp of the coursework.

## Accomplishments

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- Global Citizenship Award, 99x Annual Awards Ceremony (2024) — Recognized for exceptional collaboration and impact while working with external clients across global markets.
- Outstanding Team Award, 99x Annual Awards Ceremony (2024) — Honored for collective excellence, strong collaboration, and impactful results.
- Gold Medal, Master of Science in Computer Science — Awarded for the best research project with a GPA above 4.0.

## Online Courses & Certifications

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- AWS Certified Solutions Architect Associate - Dec 2023
- Microsoft Certified: Azure Fundamentals - Sep 2024
- GitHub Actions Certified - Jun 2024
- Domain Driven Design: Complete Software Architecture - Dec 2023
- The Infrastructure Developer's Guide to Terraform: AWS Edition - Apr 2022
- Software Architecture & Technology of Large-Scale Systems - Apr 2022
- Leadership: Leading When You Are Not In Charge! - Oct 2021
- Progressive Web Apps (PWA) - The Complete Guide - Apr 2021
- The Complete React Native + Hooks Course - Nov 2020
- Assertive Communication Skills Masterclass - Jun 2022
- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning - Jul 2020
- Machine Learning - Jun 2019

## Publications

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- A Generalized Ensemble Machine Learning Approach for Landslide Susceptibility Modeling ([Springer](#)) — September 2019
- A Deep Learning Ensemble Hate Speech Detection Approach for Sinhala Tweets ([IEEE](#)) — October 2022

## References

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- References will be provided upon request