

Chathura Samarajeewa

Software Engineer



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I'm a skilled full-stack engineer with over 5+ years of experience, with a strong foundation in AWS serverless architecture and a proven ability to create efficient, scalable APIs while optimizing processes to enhance performance. With a track record of successfully leading projects and collaborating with cross-functional teams. I consistently deliver impactful solutions. I leverage AI tools like GitHub Copilot to significantly boost productivity, reducing development time and accelerating project delivery. I'm passionate about knowledge sharing and have actively contributed to university workshops and team tech talks. I am now seeking a challenging role to apply my technical expertise and problem-solving skills in delivering innovative software solutions.

💼 Work Experience

Software Engineer

Wiley ☘

Jul 2023 - Present

Colombo, Sri Lanka

A global leader in education and research services, which empowers learners and institutions through cutting-edge technology in e-learning and innovative digital solutions.

TypeScript | Node.js | React | Serverless | Python | AWS Service

- Led the successful migration of backend projects written in serverless framework to AWS SAM, taking full ownership from planning to production deployment, resulting in thousands of dollars in cost savings for the company.
- Reduced AWS CloudFormation logging costs by ~35% through analysis of log retention policies, optimization, and implementation of targeted log filtering to minimize unnecessary data storage in CloudWatch.
- Designed and developed AWS Lambda functions within an event-driven architecture, integrating with Amazon SQS, SNS, and EventBridge for scalable real-time workflows, and exposing RESTful APIs through Amazon API Gateway
- Developed AWS Step Functions workflows to orchestrate long-running conversion processes(ex, PDF-to-EPUB conversions, etc).
- Developed and maintained CI/CD pipelines using GitHub Actions, and adapted configurations to evolving project requirements.
- Conducted peer code reviews, providing constructive feedback and actionable suggestions
- Updated and optimized Terraform scripts to modify AWS IAM roles and resource-based policies
- Collaborated closely with senior leads and architects to consistently deliver optimized solutions, ensuring alignment with project goals and technical best practices.

Associate Software Engineer

Wiley ☘

Apr 2022 - Jul 2023

Colombo, Sri Lanka

TypeScript | Java Spring Boot | React | AWS

- Developed reusable and dynamic React components for Wiley Reader to render complex question formats from platforms like Learnosity and GeoGebra, enhancing content integration and frontend scalability.
- Designed and developed secure AWS Lambda functions using the Serverless Framework, integrating with API Gateway and DynamoDB.
- Developed and deployed GraphQL APIs using AWS AppSync with WebSocket integration, enabling real-time data updates and seamless interaction between serverless backend services and front-end UI.
- Implemented a Swagger API documentation for team-managed serverless projects.

Tutor

The Open University

Educating | Technical Training

Oct 2021 - Apr 2022

Online - Part Time

- Delivered lectures and tutorials on Web Application Development in PHP and JS, covering both theoretical concepts and hands-on practicals.
- Facilitated day schools and revision workshops for distance learning and part-time students.
- Collaborated with academic staff to update and improve teaching materials, aligning with current industry practices and tools.

Associate Software Engineer

HCL Technologies Sri Lanka

Java | FinTech

Dec 2020 - Apr 2022
Colombo, Sri Lanka

- Worked on the Tullett Prebon project, a Java Swing-based UI application developed for a global leader in wholesale financial, energy, and commodities markets.

Temporary Demonstrator

Vavuniya Campus of the University of Jaffna

Educating | Academic Support

Sep 2020 - Dec 2020
Vavuniya, Sri Lanka

- Supported faculty in preparing course materials and grading assignments.
- Facilitated student engagement through interactive coding exercises and project guidance.

Education

BSc (Hons) in Information and Communication Technology

Vavuniya Campus of the University of Jaffna

GPA 3.46/4 with a second-class upper division

Feb 2016 – Jul 2020
Vavuniya, Sri Lanka

Skills

Technical Skills: TypeScript | Node.js | React | Serverless Framework | AWS SAM | AWS Lambda | DynamoDB | API Gateway (RESTful APIs) | AWS AppSync (GraphQL APIs) | Step Functions | EC2 | S3 | Terraform | AWS CloudFormation | GitHub | GitHub Actions | Docker | Linux | CI/CD | Postman | JIRA

Soft Skills: Leadership & Mentorship, Rhythm Guitar Player

Languages

Sinhala – Native/Bilingual

English – Fluent

Certificates

- Docker Foundations Professional Certificate ↗
- AWS Solutions Architect Associate Certificate(reading)