



Dilan Amarasinghe

Senior Software Engineer

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Profile

Experienced Senior Software Engineer with a solid 5+ year background in Node.js and AWS. Skilled in developing secure and scalable web applications using the MERN stack and AWS Serverless architecture. Proven track record of successfully collaborating with diverse teams on various projects. Adaptable to both remote and office work environments.

Education

B. Sc In Information Technology

2017 – 2020

Sri Lanka Institute Of Information Technology, Colombo

Achievements

- Completed and handed over the Hashtag Generation admin application **ahead of schedule**
- Executed successful database migration from Excel to PostgreSQL using **automated scripts to improve data management**.
- Expertly developed and implemented cloud-based serverless applications that efficiently **handle high-traffic workloads**.
- **Fixed a prolonged issue** with complex booking pattern matching, significantly minimizing the **algorithm's complexity and improving overall performance**.
- Optimized a high-memory-consuming webhook handling **10,000+ requests**, reducing **syncing time from 1 hour to 15 minutes** by implementing best practices.

Applied similar performance optimizations to another webhook, reducing **syncing time from 1 minute to 15 seconds**.

Experiences

Senior Software Engineer

Oct 2022 – Present

Harver, recruited by Gapstars, Colombo

Harver is a leading hiring solution that assists organizations in optimizing their talent decisions.

I am responsible for implementing the functional requirements of cloud-based serverless applications that handle high traffic.

- Increased client base significantly by building Workday application tracking system integration.

Personal details

Website

confident-euler-920d46.netlify.app

LinkedIn

linkedin.com/in/dilansuraj

Github

github.com/dilanSuraj

Languages

English

References

Don Rajitha Dissanayake – Tech Lead

Zone24x7 (Pvt) Ltd, Colombo
+94710735974, rajithadon@gmail.com

Voshitha Hettiarachchi – Program Manager

IFS Research & Development (Pvt) Ltd, Colombo
+94772326022, voshitha.hettiarachchi@ifsworld.com

Skills

- **Programming Languages**– Node.js, JavaScript, TypeScript, Go, Python, HTML, CSS
- **Cloud Technologies** – Amazon Web Services (Lambda, EC2, ECS, SQS, SNS, API Gateway, S3, EventBridge, DynamoDB)
- **Frameworks** – Express.js, Nest.js, Middy, React.js

Skills: Serverless Computing · Terraform · Docker · Jenkins · Node.js · JavaScript · MongoDB · AWS Lambda · Amazon Web Services (AWS) · Express.js

Software Engineer

Aug 2021 – Oct 2022

Rootcode Labs, Colombo

Rootcode Labs is headquartered in Sri Lanka with corporate offices in Europe (Estonia) and Silicon Valley (San Francisco, USA). Rootcode Labs has experience in working with 50+ business verticals over half a decade, delivering the best software solutions globally.

- Completed and handed over the Hashtag Generation admin application
- Fixed a prolonged issue with complex booking pattern matching and reduce the complexity of the algorithm to a minimum.
- Reduced project delivery time by 75% through the development of a simplified booking pattern that can be set up with a few clicks and with a demo.
- DB migration from Excel to PostgreSQL with automated scripts

Skills: TypeScript · NestJS · React.js · Node.js · HTML · JavaScript · SQL · Cascading Style Sheets (CSS) · MySQL · Bootstrap · Amazon Web Services (AWS) · Express.js

Software Engineer

Jan 2021 – Aug 2021

CirclesLife, recruited by Zone24x7, Colombo

CirclesLife is a leading telco company in the world offering a SaaS-based 'Digital Telco as a Service' to global telcos around the world. This application is being currently launched in Singapore, Australia, Japan, etc.. with a more than a million user base.

I am responsible for implementing the functional requirements of the application that handles high traffic.

- Increased client base significantly by building a Family Plan package

Skills: Redis · RabbitMQ · Go (Programming Language) · Node.js · HTML · JavaScript · SQL · Cascading Style Sheets (CSS) · MySQL · MongoDB · Microservices

Full Stack Software Engineer

Jan 2020 – Jan 2021

Half Life (Private) Limited, Colombo

Half-Life explores market opportunities, builds great execution teams, and helps the growth of world-class businesses

- Completed centralized authentication system connecting multiple applications across different platforms
- Increased client base significantly by building a survey application that can be reusable with multiple client applications

Skills: Docker · PostgreSQL · React.js · Node.js · HTML · JavaScript · SQL · Cascading Style Sheets (CSS) · MongoDB · Bootstrap · Python · Amazon Web Services (AWS) · Team Leadership · Express.js

Undergraduate Trainee

Nov 2018 – Oct 2019

IFS Research & Development (Pvt) Ltd, Colombo

IFS AB is a multinational enterprise software company headquartered

- **Databases** – MongoDB, MySQL, PostgreSQL, Redis
- **Deployment Tools** – Docker, Terraform, Serverless Framework, Jenkins
- **Testing Tools** – Jest, Mocha
- **Other** – Git, Agile development, Test-driven development, Rapid Application Development, SonarQube

in Linköping, Sweden. The company develops and delivers enterprise software for customers worldwide who manufacture and distribute goods, maintain assets, and manage service-focused operations.

- Converted the existing MS installer with a WIX installer and improved the performance, scalability, and user experience of the application.

Skills: Java · Object-Oriented Programming (OOP) · Programming · SQL · Microsoft SQL Server · Oracle Database