

# Sasitha Sonnadara

(He/Him)

Skilled and field-tested Full-Stack Engineer with strong frontend expertise, and a deep-seated passion for AI and ML

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## Relevant Experience

Tally Group, Melbourne, AU

### Full-stack Developer

Feb 2020 - Present

- Architected and developed a white-labelled, cross-platform mobile app solution for electricity users, providing usage statistics, insights, and user transactions. This solution was implemented in the "On by EnergyAustralia" mobile app.
- Designed and implemented data warehousing pipelines for the "On by EnergyAustralia" platform, integrating 3rd party data using AWS technologies.
- Developed backend processes to do Billing Reconciliation and Settlements for Commercial and Industrial energy retailers.
- Contributed to the development of the EnergyAustralia Large Business Portal, including progressive purchasing and site management capabilities.
- Developed new energy plan segments on Energy Australia's digital innovation platform.
- Managed an offshore team to handle outsourcing work on a white-labelled telco platform which is used by several Australian telco retailers.
- Setup CICD pipelines for the projects using Azure pipelines and ARM templates.
- Engaged in client-facing activities, including meetings, preparation of Statements of Work (SOWs), and client demos.

Ventrek Innovations, Colombo, SL

### Co-founder

Feb 2020 - Apr 2022

- Co-founded a company to provide software engineering resources to an Australian client during a COVID-induced resource freeze.
- Served as the primary Technical Lead, managing a team of 4 Engineers and ensuring efficient operations.
- Successfully delivered a comprehensive digital suite for a Tier 1 Commercial & Industrial energy retailer, meeting the client's strict deadline.

Sysco Labs, Colombo, SL

### Software Engineer

Mar 2017 - Jan 2020

### Software Engineer Intern

Oct 2015 - Apr 2016

## Skills

### Programming Languages

JavaScript, TypeScript, ES6  
HTML, CSS, Sass, C#

### Libraries & Frameworks

React, Next.js, Redux, React  
Native, NodeJS, Express, .Net  
Core, Mocha, Blazor

### Tools & Platforms

Git, Docker, Yarn, Webpack,  
ESLint, Azure, Azure Pipelines,  
AWS, Storybook, Figma,  
IntelliJ, Github Copilot

## Education

University of Moratuwa,  
Faculty of Engineering

### Bachelor of Science of Engineering (Honours)

May 2012 - Apr 2017

### Field of Specialization:

Computer Science and  
Engineering

**GPA:** 3.42

## Publications

### How the (p)react's render() and diff() works and implemented

2020

Medium article on in depth look  
into (P)react's render and  
diffing mechanisms.

- Full-stack development of report segments in "Enterprise Reports" cloud platform (SPA) which is a data-heavy reporting tool with granular metrics filtering, data comparative features and report exports.
- Designed and developed "Document Generator API" microservice for generating exportable documents in PDF and excel formats which is used by multiple products inside.
- Full-stack development of "CAKE Shop" which is the e-commerce portal of the company where customers can buy or lease CAKE POS (point-of-sale) devices and services.
- Held the ownership of "CAKE Shop" and "DocumentGenerator API" components and provided production support when necessary.
- Contributed to automating CI/CD pipeline of the organization using build pipelines, containerisation and AWS ECS.
- Mentored and supervised intern software engineers and new team members to achieve the project goals swiftly.
- Developed the EducateLanka charity foundation web platform with modern fundraising and portfolio advertising methods using MERN stack as a replacement for the legacy platform.
- Got hands-on experience in Scrum Framework and Agile Methodology.

Moraspirit Initiative, SL (Volunteer)

### Head of Web & Technology

Jan 2016 - Jan 2017

### Web Developer

Oct 2015 - Apr 2016

- Led a 4-member team of web developers and content managers.
- Supervised and contributed to the design, development, and launch of the "Moraspirit" mobile application, providing news and live scores for university-level sporting events.
- Conducted training sessions for developers on new technologies.
- Participated in the recruitment process, including conducting interviews.
- Designed and developed a white-label web platform for publishing university sports news, live scores, and live events.
- Managed the organisation's Content Management System (CMS).

## Selected Projects

### On by EnergyAustralia Mobile App

Developed a customer-centric mobile application using React Native for both Android and iOS. The app provides On by EnergyAustralia customers self-service capabilities and live chat with customer support.

### On by EnergyAustralia Customer Portal

Developed a web portal using React and Next.js, offering On by EnergyAustralia customers self-service capabilities, energy usage monitoring, and personalised insights.

### Sinhala OCR ML Model

Created a machine learning model using Caffe and Convolutional Neural Network (CNN) based on LeNet for the identification of Sinhala characters.

## WireMe - IoT Development platform for Everyone

2017

The research paper was based on the work of the final year project named same and published at IEEE.

## Awards

Moratuwa Engineering Research Conference

### Best Paper Award

2017

Received for "WireMe - IoT Development Platform for Everyone" paper in Software Engineering track.

SLASSCOM Innovation Awards

### Best Innovation in Internal Process

2019

Became runners up in this category for the "Minuteman - Automated Release Pipeline" project.

## Interests

Astronomy & Astrophotography, Running, Role Playing Games, AI Tinkering, Sci-Fi Media, DIY