Sahan Ratnayake

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Career Highlights:

» **9 years of experience** developing highly scalable full-stack systems across multiple industries, using technologies like **React.js**, **Next.js**, complimented by **.Net Core** & **Python**.

» Designed infrastructure that handles **over 4 million daily requests** with **sub-second response times** and minimal operational overhead.

» **Managed and mentored** remote, cross-functional teams for **over 6 years**, leveraging Agile and Scrum practices.

WORK EXPERIENCE

Calcey Technologies
Sri Lanka | Jun 2018 - Sep 2024

A boutique software services company which handles multiple high-impact global projects across industries such as media, fintech, sports technology, fitness, and restaurant management.

Senior Software Engineer › Associate Technical Lead › Technical Lead

Volume Global
United Kingdom | Dec 2016 - Jun 2018

Software Engineer

Virtusa
Sri Lanka | Apr 2016 - Dec 2016

Junior Software Engineer

Pragmatic Test Labs
Sri Lanka | Oct 2014 - May 2015

Intern QA Engineer

PROJECTS

Stampen Media
Jun 2022 - Sep 2024

Technical Lead - Calcey Technologies

Company Overview: One of Sweden's largest newspaper companies, managing and operating over a dozen titles across different regions.

Key Achievements:

» **Led a major platform migration**, boosting daily page views by **300% to over 4 million**, while maintaining high availability and limiting cost increases to **under 50%**.

» **Managed and mentored a remote, cross-functional team of 7** in the customer experience vertical, leading to improved team productivity and project efficiency.

» **Developed interactive site components** for data visualization, significantly enhancing user engagement and comprehension metrics.

Technologies Used: Next.js, AWS AppSync, AWS Lambda, PostgreSQL

AiScout
Jan 2022 - Jun 2022

Cacley Technologies - Associate Technical Lead

Company Overview: An innovative technology company leveraging AI to optimize football talent acquisition and recruitment processes for organizations, including premier football clubs like Chelsea and Burnley.

Key Achievements:

- » **Led an initiative to decouple analysis functionality**, resulting in improved system operations and enhanced code maintainability.
- » **Rapidly integrated into the team**, quickly mastering a complex domain and contributing to the development of key system features.

Technologies Used: .NET Core, Python, React

Dreamsave Insights
Jul 2020 - Jan 2022

Calcey Technologies - Senior Software Engineer

Company Overview: A U.S. fintech company enriching Africans' lives with a goal-oriented savings platform for personalized, automated savings—promoting financial literacy and efficient saving habits among younger consumers through innovative technology.

Key Achievements:

- » **Spearheaded back-end development** of an analytical tool, processing multi-year data from over **1,500 savings groups**, enabling rapid trend visualization and accurate financial predictions.
- » **Optimized system performance** by employing advanced data structures and pre-processing techniques, reducing request processing times to **sub 1s levels**.
- » **Collaborated with cross-functional teams** to implement data-driven strategies, enhancing organizational effectiveness and increasing **user engagement by 25%**.

Technologies Used: Flask (Python), React.js, MongoDB, Apache Cassandra

MotivatePT
Dec 2019 - Jul 2020

Calcey Technologies - Senior Software Engineer

Company Overview: A US-based fitness technology company making fitness more accessible and personalized by connecting users with personal trainers through a user-friendly app offering tailored workout plans and nutrition guidance**.**

Key Achievements:

- » **Led a back-end team of four** to develop core booking and scheduling functionalities, implementing rich notification channels that boosted user engagement.
- » **Engineered the infrastructure for a new project**, utilizing best practices to create a cloud-agnostic, low cost and highly scalable system.

Technologies Used: .NET Core, PostgreSQL

Ancon
May 2018 - Dec 2019

Calcey Technologies - Senior Software Engineer

Company Overview: A leading restaurant management and food delivery network in Sweden, providing Point of Sale (POS) solutions to over 1,500 restaurants.

Key Achievements:

- » **Drove and mentored a remote team of five** to drive the back-end development of the G2 **platform migration**, resulting in improved system performance and scalability.
- » **Enhanced back-end scalability** and built new functionalities to serve over **100,000 users**, developing a multi-tenant system capable of supporting **over 1,000 client** restaurants.

Technologies Used: .NET Core, React.js, PostgreSQL

EDUCATION

Bachelor of Science in Computer Engineering

Staffordshire University   United Kingdom

SKILLS

Frontend: Next.js, React.js

Backend: .NET Core, Python

Relational / NoSQL Databases: MongoDB, PostgreSQL

DevOps: AWS, Jenkins, Terraform