



Thivagar Mahendran

Senior Software Engineer

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Experienced and efficient Full Stack Engineer with 4 years of experience building modern web apps to mobile apps for various industries and domains. Seeking to further improve my knowledge as a Software Architect at atmospheric solutions.

EDUCATION

BEng (Hons) Software Engineering - First Class

University of Westminster (UK)

2016 - 2020, Sri Lanka (Informatics Institute of Technology)

EXPERIENCE

Senior Full Stack Engineer

Kaydoh - Full Time - May 2022 - Present - California, US - Remote

- Implementation of an auto-scalable custom domain hosting solution for websites built using the Kaydoh dashboard, ensuring seamless and efficient domain management.
- Designed and implemented a robust CI/CD pipeline integrating version control, and Amazon ECS deployment, reducing operational overhead and accelerating feature releases.
- Ensured seamless load balancing for Kaydoh's API and its client facing dashboard application, enhancing system resilience.
- Engineered a dynamic caching solution utilizing Redis and AWS ElastiCache, optimizing data retrieval and improving system responsiveness during peak loads.
- Utilized React Native to create a cross-platform mobile application, enhancing user engagement and translating complex web structures into an intuitive mobile interface.

Full Stack Engineer

Kaydoh - Part Time - Sep 2020 - May 2022 - California, US - Remote

- Build and maintain functional APIs to expose services that offer actionable features to both agents and their clients.

Skills

Programming Languages

JavaScript, TypeScript, Python, SQL, HTML, Pug, CSS, Sass

Libraries & Frameworks

Node.js, jQuery, React, React Native, Next.js, Tailwind, Serverless

Platforms & Tools

Docker, PostgreSQL, Redis, Nginx, Letsencrypt, Cloudformation

Projects

RealSketch

An image synthesizing technique to generate photo-realistic image from a sketch.

Interests & Hobbies

Mentoring, Video Gaming, Reading Books, Running & Jogging, Cycling

Software Engineer

Tracified - 99x

Nov 2020 - May 2022 - SriLanka (Full-Time)

- Actively engaged in transforming a B2B product to SaaS product
- Designing and developing blockchain based solutions at core level as required.
- Engage and work closely with existing Enterprise Customers to convert new requirements into reality in Tracified Application.
- Developed Pricing and In-App purchase ecosystem to accelerate the application's SaaS compatibility.
- **Skills: (JavaScript, Angular, Ionic, NodeJS, MongoDB)**

Front End Developer

Itverita

Oct 2020 - Feb 2021, Canada (Remote - Contract Basis)

- Develop rich user interfaces for a Web application built with .NET framework. **(jQuery, CSS)**

Software Engineer - Intern

IFS

Jul 2018 - Jul 2019 - SriLanka

- Write business logics and convert the existing desktop application to web application.
(PLSQL, C#, Aurena Declarative Language)

ACADEMIC PUBLISHING

GAN BASED PHOTO REALISTIC IMAGE GENERATOR USING NESTED U-NET

Research Paper - ACCTHPA 2020

- Submitted a Full Research Paper to ACCTHPA 2020
<https://ieeexplore.ieee.org/document/9213230>

RESEARCH PROJECT

REALSKETCH

Sketch to Photo-realistic Image Generator

Python, PyTorch, Flask

- In my Final Year Research Project, there's a discussion on how we can bridge the gap between the industrial designer and their production workflow to reduce the cost of the time they spend on prototyping.
- An image synthesizing technique to generate a photo-realistic image of a real-world object from a sketch has been introduced.