HESHAN THARINDU KALUBOWILA

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CAREER SUMMARY

Passionate and inventive Full-Stack Software Engineer with over 3 years of experience, including founding and leading an end-to-end digital platform. Strong background in UI/UX design, front-end, and back-end development. Proven track record of leading end-to-end projects with secure authentication, real-time features, API integration, and performance optimization. A creative problem-solver, fast learner, and adaptable team player committed to delivering impactful, user-centered digital experiences.

PROFESSIONAL EXPERIENCE

Bedqo.com
May 2025 – Present

Founder & Full-Stack Developer.

lead with the achievement of launching the platform: "Developed Sri Lanka's first instant hotel booking platform from scratch as a solo full-stack developer.

- **Launched Sri Lanka's first instant hotel booking platform** from scratch as a **solo Full-Stack Developer**.

- Engineered the backend using **Node.js, Express, GraphQL, and PostgreSQL**, and built a responsive UI/UX with **React**, integrating critical APIs (Google Maps, Currency Exchange).

- Implemented robust security measures, including custom middleware for **authentication, input validation, rate limiting, and API security**.

- Managed the full DevOps lifecycle: deploying with **Nginx and PM2 on DigitalOcean** (with Cloudflare caching) and developing two cross-platform **React Native mobile apps** (Android/iOS) for hosts and guests.

Advice Lab
July 2025 – Present

Software Engineer

- Developed an automation system using AWS Bedrock AI agents integrated with AWS Lambda Step Functions and built the frontend with React.js.

Helamid PVT LTD
August 2023 - 2025

Front-End Developer

- Developed a dynamic website using **React, JavaScript, and CSS**, increasing sales revenue by **80%** through enhanced user experience.

- Built a **Learning Management System (LMS)** with **React**, contributing to high user engagement and satisfaction.

- Created **React Native mobile applications** with API integrations, performing testing and bug fixes for robust functionality.

Freelancer
August 2020 – Present

UI/UX Designer & 3D Designer

- Designed UI/UX for web and mobile applications using Figma and Adobe XD.
- Created 3D models and renderings using Maya, Blender, SolidWorks, KeyShot, and 3ds Max.

QUALIFICATIONS

Bachelor of Information and Communication Technology (BICT, Hons)

Rajarata University of Sri Lanka, 2018 – 2023. *Second Class Honours (GPA 3.12/4).*

TECHNICAL SKILLS

- **Programming languages** – HTML, CSS, JavaScript, Java, ReactJS, Three.js, Vue.js, PHP, Node.js, Next.js, Python

- **API** – Rest API, GraphQL,

- **UI design tools** - Figma, Adobe XD, Sketch, UXPin, Zeplin

- **Web design tools** – WordPress, Shopify, Wix, Bootstrap

- **Cloud & AI -** AWS (Bedrock, Lambda, Step Functions, S3, CloudFront, etc.), DigitalOcean, Azure, Firebase, Prompt Engineering

- **Mobile Application Development Tools** – Android Studio, React Native

- **Database Management Tools** – MySQL, PhpMyAdmin, MongoDB, PostgreSQL, DynamoDB

- Expert In **IOT Development –** Arduino, Raspberry Pi.

- Expert In **3D Modelling & Graphics designing**

SOFT SKILLS

- Collaboration, Problem-solving, Adaptability, Time Management, and Effective Communication, Creativity & Innovation, Critical thinking

COMMUNITY & VOLUNTEER EXPERIENCE

Nenapetha Education Center
Sri Lanka

Teaching 2022 - 2024

Teach programming fundamentals to children, dedicating four hours per week to enhance their technical skills and interest in technology.

ACHIEVEMENTS

• **Honor of Invention** 3rd International Young Inventors Award Innovation Competition. (2016)

• **Gold Prize** - 3rd International Young Inventors Award Innovation Competition. (2016)

• **Grand Winner** - "Innova minds" Innovation competition (2016)

• **Gold Medal** - ALL Island School Inventors' Competition (2015)

• **Silver Medal** - ALL Island School Inventors' Competition (2017)

• **Certificate of Participation –** *"Fight Against COVID-19" Project (2020)*
Participated in the development of a wireless AI-powered stethoscope designed to assist frontline healthcare workers during the COVID-19 pandemic, contributing to early detection and remote monitoring of respiratory conditions.

REFEREES

Mr. Isuru Udara
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