

Brahmiraj Tharmapalan

Full-Stack Software Engineer

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Profile

A highly enthusiastic and innovative Full-Stack Software Engineer, passionate about creating user-friendly applications. Skilled in integrating front-end and back-end technologies to deliver exceptional user experiences. Committed to continuous learning and staying updated with industry trends to bring fresh perspectives and drive project excellence. Highly motivated to solve problems, deliver quality results, and create innovative solutions while continuously pursuing professional and personal growth.

Experience

Associate Software Engineer

Neuronic Systems

Trincomalee, Sri Lanka

May 2024 – Present

- **Forum Verse** – Implemented a role-based forum with workflows and AWS EC2 hosting, increasing user engagement.
- **Bookmark Manager** – Built a cross-device bookmark app using React, Redux, and ASP.NET for seamless link organization.
- **Brave Thought** 🗒 – Delivered a scalable forum platform with secure Google OAuth and dynamic features.
- **Face Detection System** – Built a real-time attendance system with face recognition with Firebase, achieving 98% accuracy and cutting manual errors by 85%.
- **OCR for Number Plates** – Automated vehicle registration processes with an OCR solution (YOLOv5 on Google Colab), achieving 95% text extraction accuracy.

Associate Software Engineer

BOTCALM (PVT) LTD

Matara, Sri Lanka

Oct 2023 – May 2024

- **Winlads Admin Panel** – Contributed to developing the admin panel for a shopping companion app with React, Redux, and Express, enhancing user experience with GSAP and Framer Motion animations
- **Blockchain Wallet** – Created a secure Chrome extension for Ethereum wallet transactions, successfully handling over 1,000 monthly operations.
- **Landing Pages** – Built responsive landing pages for various clients:
Master-NFT 🗒 Winlads 🗒 Pili-me 🗒 Wood-Carving 🗒 Crypto 🗒 Law 🗒 Insurance 🗒

Software Engineer Intern

DOCKYARD TOTAL SOLUTIONS (PVT) LTD

Colombo, Sri Lanka

Mar 2023 – Oct 2023

- **HR Management System** – Developed a seamless web application for managing HR processes like staff recruitment and interview scheduling using React, Redux, and ASP.NET.
- **Work Management tool** – Contributed to building a system with user/admin roles, post creation, approval workflows, and search functionality using React, Express, and MongoDB.

Skills

Front-End Development

- Next.js, React, Redux, PHP

Back-End Development

- Node.js, Express, Nest.js, ASP.NET, GraphQL

Mobile Development

- React Native

Database Management

- MongoDB, MSSQL, PostgreSQL

CSS Frameworks

- Tailwind CSS, Bootstrap, Material UI, Daisy UI, Shadcn UI, Aceternity UI

Cloud Deployment

- AWS, Azure, Firebase, Vercel, Render

Version Control & Containerization

- Git, Docker, CI/CD Pipelines

Collaboration Tools

- Jira, Slack

3D Animation

- Blender, ZBrush, Autodesk Maya

Additional Development Tools

- Mediapipe, OpenCV, Arduino IDE, YOLOv5, Thingspeak, Nodemcu

Education

SLTC Research University (Higher Education)

Mar 2019 – Nov 2023

BSc in Electronics and Telecommunication Engineering

- **Relevant Coursework:** Programming Fundamentals, Data Structures and Algorithms, Machine Learning and Data Mining, Software Engineering Project, Management Information Systems, Internet of Things, Computer Architecture

Certificates

- AWS Academy Cloud Foundations (2023)
- SLASSCOM Academy Cloud Engineering Bootcamp (2022)
- IESL - Student Membership (08-02-2022)
- IEEE - Membership (01-03-2020)
- Completed **Kick-Start Embedded System Design** course by the University of Moratuwa (2021)
- Completed **Circuito'21 — PCB Designing Workshop** by IEEE Society of SLTC (2021)
- Completed **IOTLOGY Webinar on Introduction to IoT** by IEEE Society of SLTC (2021)
- Completed **ARDIOFLO Workshop** organized by IEEE Student Branch of SLTC

References

Mr. Hirushiharan Thevendran

Director

Neuronic Systems

Trincomalee, Sri Lanka

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Mr. Rajapaksha Wellapulige Pradeep Chanaka

Senior Software Engineer

Dockyard Total Solution (PVT)LTD

Colombo, Sri Lanka

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