SUSANTHA PERERA

Software Engineer

📞 (+94) 771147484

💼 [Linkedin-susantha-perera]

💼 [github-mskperera]

📍 Pitakotte, Colombo, Sri Lanka.

✉ spmskperera@gmail.com

💼 [https://susanthaperera.space]

Professional Summary

Experienced Full-Stack Software Developer with over 7 years of expertise in designing, developing, and deploying desktop, mobile, and web applications. Passionate about continuous learning and staying updated. Seeking an opportunity in a collaborative and growth-oriented environment.

Skills

Languages: C#, JavaScript

Libraries and Frameworks: Node.js, React.js, React Native, ASP.NET, WPF

Frontend: HTML5, CSS3, Bootstrap, Tailwind CSS

Database: MSSQL, MySQL/MariaDB, MongoDB, SQLite.

DevOps & Cloud: AWS, Docker, IIS, NGINX

Other: Git, RESTful APIs

Language: Sinhala, English

Soft Skills: Teamwork, Adaptability, Self-Motivated

Professional Experience

Senior Software Engineer @ FIDA Global | Feb. 2018 – July 2025

- Led full-stack development of an IoT energy meter platform using React and Node.js; integrated Socket.io and MQTT protocols for real-time data streaming and visualization, utilizing MSSQL and MongoDB for databases.

- Rebuilt a large HR system (built on ASP.NET and C#) by breaking it down into independent, manageable tiers and components, significantly improving system flexibility and stability, which cut development time by approximately 60% and enhancing system efficiency and security

- Designed and developed utility applications to automate business processes, including custom bulk email tools using **C#.net**, backup compression solutions, and secure data transfer systems between database servers.

- Designed and developed a custom helpdesk ticketing system with React.js, Node.js, and MSSQL to streamline complaint management. Enhanced staff efficiency by approximately **40%** and simplified complaint analysis for better decision-making

- Administering and deploying systems on Windows and Linux (Ubuntu) servers

Software Engineer @ IAS Solutions | 01 Sep. 2014 - 30 Dec. 2016

- Developed small-scale systems as a full-stack developer.
- Worked with team members and led the team on various projects
- Provided technical solutions for challenges as they arose.

Other Top Projects

- **Patient Management System:** Patient Management System: Developed a solution for managing patient information, including personal details, medical history, file uploads, and audio recordings, for use in a healthcare clinic.[Tech: React.js, Tailwind CSS, Node.js, MariaDB].

- **Cloud POS and Inventory**: Designed and implemented a scalable cloud-based, multi-tenant solution with physically segregated databases, where each client has a dedicated database instance. Centralized API and frontend streamline management across all clients. [React.js, Redux, Node.js, MariaDB].

- **Energy meter IOT based system**: Developed an IoT-based energy metering system for tracking energy consumption and cost calculation based on tariffs, and showing real-time consumption data on a dashboard. Built with two microservices for device data storage and system logic. [React.js, Node.js, MSSQL, MongoDB, MQTT, Socket.io].

Education

Bachelor of Information Technology | University of Colombo School of Computing

Jan. 2012 - Feb. 2016 | https://www.bit.lk

Diploma in Web Development | ESoft Metro Campus

Nov. 2013 - May 2014 | https://esoft.lk

Diploma in Software Engineering | ESoft Metro Campus

Aug. 2012 - Feb. 2013 | https://esoft.lk

Hobbies and Interests

Exploring new technologies | Traveling | Fitness (Gym workouts) | Music (Playing drums & Guitars)

Reference

Mr. Andrew Perera (Manager Sales)
IAS Solution (Pvt) Ltd 87 D, Vijaya Kumarathunga Mawatha 00500 Colombo, Sri Lanka.
+94 77 592 7597
anurudhperera@gmail.com

Miss. Sachini Kariyawasam
Lecturer cum Programme Manager ESOFT Metro Campus,
No. 03, De Fonseka Place,
Colombo 04, Sri Lanka.
+94 76 2 315 571
sachini@esoft.lk