

MANUSHA MADONSA

Software Engineer

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🔗 Portfolio: <https://manusha-mihiran-portfolio.netlify.app/>

SUMMARY

I have 3 years of experience as a software engineer specialising in full-stack development, cloud computing, and AI-driven applications. Proficient in designing and optimising high-performance applications using Java, Spring Boot, React.js, Express, MongoDB, Node.js, Vue.js, Bootstrap, Tailwind, JSP, REST API, JSON, JBoss, WildFly, Canva, HTML, CSS, JavaScript, D3.js, WordPress, PHP, JWT, Recharts, Mapbox, Azure, Figma, Photoshop, Azure, Python, and SAP technologies. Proven track record of resolving technical issues, improving system efficiency, and creating scalable solutions. Passionate about AI-driven automation, database optimisation, and enterprise software development.

PROFESSIONAL EXPERIENCE

Freelance WordPress Developer , Aswin Web Design, UK

October 2025 – Present

- Technologies: WordPress, Elementor, Divi Page Builder, WPBakery Page Builder, Astra, CSS, JavaScript, PHP, SEO
- Developed and maintained responsive WordPress websites using leading page builders such as Elementor, Divi, and WPBakery. Built custom layouts, reusable design components, and optimized site structure for speed, accessibility, and SEO best practices. Implemented UI enhancements using CSS and JavaScript, managed plugin integrations, and ensured consistent cross-browser performance. Delivered continuous site updates, technical fixes, and performance improvements to maintain a secure, user-friendly, and fully optimized web experience..

Freelance Frontend Developer

May 2025– Aug 2025

- Technologies: Figma, React.js, Tailwind CSS
- Designed and built a responsive, production-ready front end for a client website, translating Figma wireframes into reusable React components styled with Tailwind. Implemented client-side routing, form validation, and API integrations with robust error/loading states for a smooth UX; optimised accessibility, SEO, and performance using semantics and best practices; and ensured cross-browser compatibility and maintainable component architecture.

Software Engineer , Rev-Creations Ins, Canada

June 2024 – April 2025

- Technologies: Java, Spring Boot, React.js, Express, MongoDB, Node.js, Vue.js, Bootstrap, Tailwind, JSP, REST API, JSON, JBoss, WildFly, Canva, HTML, CSS, JavaScript, D3.js, WordPress, PHP, JWT, Recharts, Mapbox, Azure.
- Implemented a high-performance AI-based news generation platform with dynamic content retrieval through the YouTube API and automated AI-generated images, boosting user engagement by 40%.
- Back-end services are optimised with Spring Boot and Hibernate, achieving a 30% faster API response time through database indexing and caching mechanisms.
- Front-end enhancements with increasing efficiency and reducing page load time by 15%, with React.js and Tailwind.
- Identified and resolved serious server-side bugs in WildFly and JBoss, reducing system downtime by 25%.
- Enacted secure authentication protocols, avoided SQL injection attacks, and enhanced platform security.

Trainee Software Engineer , On Device Solutions, Sri Lanka

Sep 2023 – March 2024

- Technologies : Java, Spring Boot, Hibernate, SAP UI5, MDK, HANA,
- Developed and implemented Spring Boot RESTful APIs, enhancing API performance and shortening response times by 35%.
- Identified, diagnosed, and fixed issues of poor SAP HANA database query performance, reducing query execution time 40% via indexing and query optimisation.
- Workflow automation on the go with SAP MDK, enhancing business operations and collaboration.
- Partnered with lead engineers in debugging and optimisation of login flows, which lowered login failure rates by 20%.

Intern Software Developer , Chama Computers, Sri Lanka

January 2023 – August 2023

- Technologies: HTML, CSS, JavaScript, React.js, PHP, MySQL
- Have designed, tested, and developed e-commerce web applications, mitigating page load durations by 20% through front-end improvements.
- Refactored JavaScript code and React components for enhanced maintainability with a 25% decrease in script execution speed.
- Optimised MySQL database queries with 30% reduced query execution time and encryption-based database security for protecting sensitive user data.
- Implemented role-based access control (RBAC) for limiting unauthorised access to data.

EDUCATION

BSc (Hons) in Software Engineering & Computer Science

Sri Lanka Institute of Information Technology (SLIIT)

TECHNICAL SKILLS

- **Programming Languages:** Java, PHP, JavaScript, Python, C#, HTML, CSS
- **Frameworks & Libraries:** Spring Boot, Hibernate, Laravel, Bootstrap, React.js, Express, Node.js, Tailwind, JSP, Django, Next.js, Vue.js, D3.js
- **Databases:** MySQL, MongoDB, SAP HANA, PostgreSQL
- **Cloud & DevOps:** AWS, Microsoft Azure, Docker, Kubernetes
- **Tools & Technologies:** Git, Apache, Tomcat, JBoss, Postman, DBEaver, XAMPP, CI/CD, Agile, SharePoint
- **SAP Technologies:** SAP UI5, SAP MDK, SAP Fiori, SAP HANA
- **Design & IDEs:** Figma, Framer, Webflow, Shopify, Adobe Photoshop, IntelliJ IDEA, VS Code, Eclipse, Android Studio
- **AI Powered:** ChatGPT, Claude, Cursor, Copilot, Gemini, Deepseek, Antigravity, Lovable
- **WordPress:** WordPress, Elementor, Divi Page Builder, WPBakery Page Builder, Astra

CERTIFICATIONS

- Becoming a Full-Stack Web Developer
- Getting Started in Spring Development
- Understanding and Implementing the SAP Mobile Experience
- OpenEDG Python Institute: Programming with Python Professional Certificate
- Multicloud Network Associate - Aviatrix Certified Engineer

PROJECTS

- VivaLanka News Website - Technology used: JSP (Java, HTML, CSS, JavaScript), AI, YouTube API. Designed various functionalities, such as AI-driven news generation. Implemented recent YouTube video retrieval for dynamic content. Designed image generation functionalities for news articles. Customised and optimised website header, footer, and other front-end blocks. Improved overall user experience and responsiveness of the site. (<https://www.vivalanka.com>)
- AI News Generation Platform - Technologies: React.js (front-end), Spring Boot (back-end). Responsible for front-end development for mobile, tablet, and desktop optimisation. Implemented AI-driven news generation features as well as image generation features. Handled user authentication, login protection, and email settings. Implemented functionality for handling news channels as well as user interactions. (<https://devce.vivalanka.com>)
- VivaLanka Clone - Technologies: Next.js. Made a clone of the VivaLanka website with Next.js. Enhanced performance of the website as well as SEO features. The project is in development stages and not deployed.
- WordPress Websites - Technologies: WordPress, Elementor, Divi Page Builder, WPBakery Page Builder, Astra, CSS, JavaScript, PHP, SEO. Developed and maintained responsive WordPress websites using leading page builders such as Elementor, Divi, and WPBakery. Built custom layouts, reusable design components, and optimised site structure for speed, accessibility, and SEO best practices. Implemented UI enhancements using CSS and JavaScript, managed plugin integrations, and ensured consistent cross-browser performance. Delivered continuous site updates, technical fixes, and performance improvements to maintain a secure, user-friendly, and fully optimised web experience. (<vlf.vivalanka.com>) (<vivalanka.com>) (<emergencyroofersnearme.co.uk>) (<sapphireroofingandconstruction.co.uk>) (<rev-creations.com>) (<hemelhempsteadroofingcontractor.co.uk>)

SKILLS

- Independent and self-reliant, but also a team player
- A flexible mindset for the workplace
- Able to lead a team and work well in a team
- Software Development Life Cycle

REFERENCE

- Mr . Buddhimaan Weerawardana
- Manager, Product Technical Operations Pearson Lanka, 200 Narahenpita - Nawala Rd. Sri Jayawardanepura Kotte.
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