



# VINOJAN VEERAPATHIRATHASAN

**Address:** Kokuvil West, Jaffna, Sri Lanka.

**Contact :** +94 77 573 7782 | [imvinojanv@gmail.com](mailto:imvinojanv@gmail.com) | [www.imvinojanv.dev](http://www.imvinojanv.dev)

**LinkedIn:** [linkedin.com/in/imvinojanv](https://www.linkedin.com/in/imvinojanv) **Medium Blog:** [medium.com/@imvinojanv](https://medium.com/@imvinojanv)

## SUMMARY

Experienced Senior Software Engineer passionate about building innovative digital solutions and scalable systems that drive real business impact. Specializes in full-stack development with a strong focus on aligning technical architecture with business goals. Diverse expertise spans frontend and backend technologies, including React, TypeScript, Node.js, and cloud infrastructure. An inquisitive learner dedicated to continuous improvement, utilizing AI tools to enhance productivity, delivering exceptional user experiences, and integrating software with hardware to create customized, high-value solutions.

## WORK EXPERIENCE

### Senior Software Engineer

Feb 2025 - Present

Racing and Sports (pvt) Ltd, Sri Lanka.

Mount Lavinia Onsite

- Handles real-time data payloads and generates complex data visualizations.
- Leads a key betting project, collaborating with Australian teams within an Agile framework to deliver on schedule.
- Develops core application features and APIs using React and C# .NET

### Software Engineer

Feb 2024 - Feb 2025

Emmanuel's Lanka (pvt) Ltd, Sri Lanka.

Ja-Ela Onsite

- Led a software team in the end-to-end design and development of web and cross-platform applications, including system architecture and database design, achieving a 36% increase in operational efficiency.
- Successfully integrated software with hardware devices (ESP32, RFID Modules, QR scanners) and managed project deployments and installations.
- Handled real-time, large-scale IoT data, processed and visualized them into a Dashboard, generate reports.
- Streamlined apparel manufacturing processes, conducted project and business meetings.
- Provided technical expertise, contributing to a reduction in system failures.

### Software Engineer

Jan 2023 - Feb 2024

DecHorizon, Sri Lanka.

Freelance

- Architected and developed high-performance, modern web applications and fostered a culture of quality.
- Conducted regular code review sessions and knowledge-sharing sessions.

### Intern Software Engineer

Feb 2023 - Aug 2023

BluebayLabs (pvt) Ltd, Sri Lanka.

Remote

- Designed and developed scalable features for web applications using Next.js, React, and Node.js within an MVC architecture.
- Coordinated testing and validation, ensuring compliance with industry standards.

### Web Developer

Oct 2021 - Nov 2022

TOWNCHIC Global Ventures, Sri Lanka.

Remote

- Built an e-commerce web application using Magento 2 and PHP, implemented search engine optimization, and managed application server configurations.

## EDUCATION

### Bachelor of Science in Software Engineering with Honours

Feb 2020 - May 2024

University of Kelaniya, Sri Lanka

- GPA:** 3.29 / 4.00 (Second Class Lower Division)
- Key Coursework:** Data Structures and Algorithms, Software Architecture, Database Management Systems, Computer Networks, Operating Systems, Human-Computer Interaction, Machine Learning, Cloud Computing, and Web Development.
- Achievements:** Runner-up of Junior Hackathon 2020, Winner of the Best Tourism Website, Finalist of the Inter-University BIZ-MIND Competition.

Uki Coding School by Yarl IT Hub, Sri Lanka

- **Technical Skills:** Gained proficiency in server-side development with Node.js and client-side development with React, covering topics like Data Structures & Algorithms, API Management, and Web Security.
- **Business & Professional Skills:** Curriculum included workshops on UI/UX, business model innovation, project ideation, and professional communication.

## SKILLS

---

- **Programming:** TypeScript, JavaScript, Java, C#, PHP, SQL.
- **Frontend & Frameworks:** Next.js, React, React Native, Expo, Angular - TailwindCSS, Bootstrap, Framer Motion, GSAP.
- **Backend & APIs:** Node.js, Fastify, Spring Boot, ASP.NET, Yii2 - Prisma, Drizzle, Sequelize.
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis.
- **DevOps & Cloud:** AWS (S3, EC2, Amplify, Lambda, RDS), Docker, Cloudflare, Jenkins, Sentry, Arcjet
- **Tools & Methodologies:** Figma, Git/GitHub, GitLab, Bitbucket, Jira, Agile Development, AI-Assisted Workflow.
- **Soft Skills:** Communication, Time Management, Critical Thinking, Problem Solving, Teamwork, Risk Management.

## PROJECTS

---

### Sketch to UI - AI Application

- Developed a novel web application utilizing the GPT-4o vision model to interpret user-drawn sketches on a digital canvas and generate responsive code in real-time.

### IoT Embedded Tracking System

- Engineered a comprehensive, real-time IoT solution integrating ESP32 microcontrollers, RFID sensors, and QR code hardware, increasing operational efficiency by approximately 36%.
- Architected to handle high data traffic and optimized for real-time communication, featuring data streaming and report generation with PostgreSQL, and secure user authentication and authorization.

### NeuroGen AI Application

- Built a multi-modal AI platform capable of generating text, code, images, video, and audio, with a subscription model integrated via Stripe.

### Learning Management System

- Developed a full-featured e-learning platform with functionalities for course creation, student enrollment, and progress tracking.
- Implemented secure user authentication and authorization, payment processing for course purchases, and high-performance video streaming.

### Recruitment Management System

- Developed a comprehensive, subscription-based SaaS platform for talent acquisition with a candidate assessment module.
- The ATS component streamlines the hiring workflow, similar to Teamtailor, while the test platform provides skills-based assessments.

### Restaurant Management System

- Built a comprehensive management tool featuring inventory tracking, menu management, also provides sales reporting and analytics to inform business decisions.

### Traveling Agent Application

- Created visually engaging, multilingual travel application with dynamic animations using Next.js and Framer.
- Provided a full-featured admin dashboard for managing listings, bookings, and page contents.

## REFEREES

---

### Mr. Gayan Kottapola

Tech Lead at Racing and Sports (pvt) Ltd.

Mount Lavinia, Sri Lanka

gayan.kottapola@racingandsports.com | +94 77 258 4960

### Mr. Shannon Smith

Principle Architect at Snap Tech AI

Colombo, Sri Lanka

silveraldrin@gmail.com | +94 76 381 9769