



Rukshan Perera (30)

Full Stack Developer

Work Experience

2020 August – Present

ITONE PRIVATE LIMITED *Full Stack Software Engineer*

RESTful API Design & Development [2024–2025]

- Designed and developed scalable RESTful APIs using Node.js and Express.js
- Implemented robust API architecture following industry best practices and design patterns
- Created efficient middleware for authentication, validation, and error handling
- Integrated Redis for caching and session management to improve API performance
- Optimized API performance and response times through effective routing and database query optimization
- Documented API endpoints with comprehensive specifications for frontend integration
- Technologies: Node.js, Express.js, Redis, REST APIs, MySQL/Firebase

Gaming Website Frontend Development [2023–2024]

- Developed responsive front-end interfaces for gaming platform using React.js with TypeScript
- Built secure payment integration system handling deposits, withdrawals, and transaction management.
- Created reusable component libraries and integrated RESTful APIs for seamless frontend-backend communication
- Optimized application performance with code splitting, lazy loading, SSR/SSG strategies, and implemented JWT authentication
- Technologies: React.js, TypeScript, Context API, Web Sockets, REST APIs, Tailwind CSS

Baccarat Score Board System [2023–2025]

- Implemented asynchronous processing with Tokio for optimized socket communication and concurrent task execution.
- Developed real-time frontend with TypeScript, featuring live game data display and WebSocket integration.
- Created comprehensive technical documentation, including developer guides and system architecture.
- Technologies: Rust, TypeScript, Python, Tauri, Tokio, WebSockets, TCP.

Next.js Application Development [2022–2023]

- Integrated Firebase Realtime Database, implementing custom REST APIs.
- Optimized data flow patterns and security implementations.
- Technologies: Next.js, TypeScript, Firebase, REST APIs.

Backend Development [2022–2023]

- Designed and developed RESTful APIs using Node.js.
- Contributed to PHP CMS development and enhancement.
- Gathered and refined technical specifications based on project requirements.
- Technologies: Node.js, PHP, REST APIs.

Quality Assurance [2020–2022]

- Conducted comprehensive manual testing for system reliability.
- Performed user experience evaluation and input validation testing.
- Created and maintained test documentation.

Profile

Full Stack Developer specializing in Next.js, React.js, Node.js, Express.js, Rust, and Java. Experienced in creating efficient web applications, RESTful API design, desktop applications, and enterprise solutions with a focus on user experience. A collaborative team player dedicated to innovative problem solving.

Technical Skills

- Programming Languages:** Rust, Java, Python, C#
- Frontend Development:** Next.js, React.js, TypeScript, JavaScript
- Backend Development:** Node.js, Java EE, PHP & Laravel
- API Development:** RESTful API Design, Redis (Caching & Session Management), Express.js Middleware
- Desktop App Development:** Tauri
- Mobile App Development:** React Native
- Databases:** Firebase, MySQL, PostgreSQL, Redis
- Version Control:** Git/Github /Gitlab
- Operating Systems:** Linux and Windows
- Software Development:** Strong knowledge of RESTful API design principles, OOP concepts and design patterns
- Collaboration & Documentation:** Client collaboration, Technical documentation, Code reviews
- Cloud Platforms:** Google Cloud

Personal Skills

- Adaptability to any Technology
- Team Collaboration
- Logical Approach
- Creative Problem-Solving

Contact

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Professional Profiles

- LinkedIn-
<https://www.linkedin.com/in/rukshan-perera-965956205/>
- Github-<https://github.com/rukshanevil2>

Key Achievements

- Designed and maintained RESTful APIs with clear contracts and docs
- Built Next.js + TypeScript applications with Firebase real-time sync and custom REST endpoints
- Implemented server-side data fetching and server-driven UI patterns in Next.js
- Developed a real-time Baccarat scoreboard in Rust (Tokio) with asynchronous socket handling
- Integrated Rust services with Tauri and WebSockets to power native feel desktop clients and live frontend updates

Project Experience

- Recipe Finder - (React typescript Application)
 - responsive recipe search app using React, TypeScript, and Bootstrap 5 with Spoonacular API integration
 - Implemented dynamic routing with React Router and deployed on Netlify with CI/CD automation
 - Technologies: React, TypeScript, Bootstrap 5, REST APIs, Vite, Netlify
- Loan Repayment Tracker - (Next.js & TypeScript) Application
 - Built a personal finance tool to manage multiple loans with automated interest calculations, payment tracking, and real-time projections.
 - Implemented responsive UI with Tailwind CSS, LocalStorage persistence, filtering, pagination, and detailed monthly summaries.
 - Technologies: Next.js, React, TypeScript, Tailwind CSS, LocalStorage
- Gym management system - java desktop application
- wenas.lk - wordpress E-Commerce website
- hirujayaenergy.lk - wordpress website
- aurinnovatech.com - wordpress website

Education

JAVA INSTITUTE SRI LANKA (2020-2024)

Bachelor of Engineering (BEng) in Software Engineering

NEXTGEN CAMPUS (2020)

Certificate in Cyber Security And Networking

Duration - 4 months

ADVANCED LEVEL (2014) *Index no: 1289977*

Combined Mathematics C

Physics B

Chemistry S