



JANITH PERERA

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SUMMARY

Passionate and motivated Software Engineer with a solid foundation in fullstack development and systems architecture. Experienced in building modern, scalable web and mobile applications from concept to deployment. Proven track right in modernizing legacy tech stacks, establishing development standards, and managing Linux-based server environments.

KEY COMPETENCIES

- **Languages:** JavaScript, TypeScript, Java, PHP, Go, Dart, C++, HTML/CSS.
- **Frameworks & Libraries:** React, Next.js, Node.js, Express.js, Spring Boot, Laravel, Flutter, React Native, Tailwind CSS, Shadcn UI.
- **Databases & Caching:** MongoDB, PostgreSQL, MySQL, Redis, Firebase, Supabase.
- **DevOps & Infrastructure:** Linux (CentOS/Ubuntu), Git/GitLab, Docker, Dokploy, SVN-to-Git Migration, Shell Scripting, Server Hardening.

WORK EXPERIENCE

Software Engineer | Texonic Information Systems (Pvt) Ltd **Jan 2026 - Present**

- **Tech Stack Modernization:** Spearheaded the transition of legacy systems to a modern stack using Next.js, TypeScript, and TanStack Query, significantly improving performance and code maintainability.
- **Backend Development:** Developed and optimized scalable backend services using Java and Spring Boot, ensuring robust integration with modern frontend interfaces.
- **Project Delivery:** Successfully stabilized and turned around the Valuation ERP, IBE Admin, and Finance projects, delivering all critical milestones ahead of the scheduled deadlines.
- **Architecture & Standards:** Authored the company's "Frontend Development Standards & Architecture Guide" and built a high-performance Next.js Starter Template currently used as the foundation for all new projects.
- **DevOps & Cost Optimization:** Managed and optimized a CentOS Stream 9 development server and migrated legacy projects from SVN to GitLab.
- **Infrastructure Strategy:** Implemented Dokploy for containerized deployments, saving significant operational costs by self-hosting services instead of utilizing premium platforms like Vercel or GitHub Enterprise.
- **System Integrity:** Engineered global state management solutions to prevent duplicate transaction submissions across all modules.

SELECTED PROJECTS

Impact Workshop Management [Github](#)

- Engineered a full-stack workshop management system from scratch for an Australian diesel garage.
- Implemented role-based access control, a real-time Kanban board, and inventory tracking using Next.js, Node.js, Express.js, and MongoDB.

Codemize: Competitive Programming Event System

[Github](#)

- Developed a real-time system for a university event involving 400+ students from 40 schools.
- Engineered five distinct dashboards with millisecond-precision buzzer rounds using Socket.io and Express.js.

Private Chat: Privacy-First Messaging System

[Github](#)

- Developed a high-performance, privacy-focused chat application using Next.js, Elysia, and Redis.
- Applied privacy-by-design principles including 10-minute automated data self-destruction

Inventory Management System: A SaaS Solution

[Github](#)

- Developed a scalable enterprise SaaS platform featuring secure role-based access control (RBAC) via Clerk.
- Engineered a dynamic, responsive frontend using React.js and Material-UI, integrated with a Node.js/Express and MongoDB backend.

EDUCATION

B.Sc. (Hons.) in Software Engineering (Reading)

Aug 2023 - Present

BCI Campus, Negombo

- Faculty of Computing
- Overall CGPA: 3.72/4.0

GCE Advanced Level (A/L) Examination

Jan 2020 - Jan 2023

Maris Stella College, Negombo, Sri Lanka

- Stream: Physical science stream
- Results: Combined Mathematics: C, Physics: C, Chemistry: S, General English: A

OTHER EXPERIENCE

- **Tech Lead:** Coding Club, BCI Campus.
- **Batch Representative:** Software Engineering Batch of 2023.
- **Freelance Developer:** Fullstack and WordPress development (Mar 2022 – Nov 2024)

REFERENCES

Dr. Tharanga Rathnayake

- Head - School of Business / Digital Marketing / IT Services (BCI Campus)
- Contact Email: tharangar@bci.lk
- Contact Number: +94 71 812 0441

H.L. Malika Thilakarathna

- Test Lead Engineer HCL Tech Sri Lanka | Visiting Lecture at BCI campus
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