R. KRISHANTHAN

JUNIOR SOFTWARE ENGINEER

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Summary

Software Engineering undergraduate with hands-on experience as a freelance developer, leading successful projects and building web and mobile applications for multiple clients. Committed to continuously learning new skills, solving real-world problems, and contributing effectively to collaborative engineering teams. Actively seeking opportunities as a Junior Software Engineer to gain industry experience and further enhance technical expertise.

Professional Experience

Freelance Software Developer   March 2025 - Present

- Developed websites, mobile apps, and full-stack applications for multiple clients, leading projects from concept to deployment.
- Launched **SEO-optimized and performance-focused web solutions**, including the Skyline Access Solutions website, which achieved **top 3 Google search rankings for key search terms.**
- Currently developing a **CTF SaaS platform** for a Sri Lankan cybersecurity organization, expected to support **300+ active users**.
- Collaborated with clients to gather requirements, plan features, and deliver solutions on time.
- Gained experience in project coordination, communication, and problem-solving while continuously learning new technologies and frameworks.

Projects

Capture The Flag Platform   November 2025 - Present

- A CTF (Capture The Flag) based SaaS platform providing an interactive cybersecurity learning and competition environment. Features include challenge management, ranking systems, learning paths, user dashboards, and admin panels.
- Previously developed a CTF Submission Portal for the organization that streamlined challenge submissions by automating email delivery and Google Drive integration for efficient reviewer workflows.
- **Tech Stack:** Next.js, Express.js, TypeScript, Prisma, Kubernetes

Messaging Mobile Application   October 2024 – November 2024

- Mobile chat app using React Native (Expo) frontend and Java EE + Hibernate backend with MySQL and Firebase Storage. Features real-time messaging, authentication, media uploads, push notifications, stories, profile updates, and short-video viewing.

Sports Equipment Selling E Commerce Platform   February 2024 – July 2024

- Android + web-based e-commerce system built with Java (Android), Material Components, SQLite, Firebase Cloud Messaging, Google Maps API, PHP + MySQL backend, and Tailwind-powered web frontend. Includes admin panel, product management, advanced search, cart functionality, and PayHere integration. Secured against SQL Injection, XSS, and CORS vulnerabilities.

Skills

- **Programming Languages:** JavaScript, TypeScript, Java, PHP
- **Technologies & Frameworks:** Next JS, Express JS, React Native (Expo), Prisma, Zustand
- **Programming Concepts:** OOP, Design Patterns, DSA
- **DevOps Tools:** Docker, Kubernetes, GitHub Actions
- **Database Systems:** MySQL, MongoDB, PostgreSQL
- **Soft Skills:** Team Collaboration, Communication, Problem Solving, Project Management

Education

Bachelor of Engineering in Software Engineering   July 2022 – February 2026
IIC University of Technology, Cambodia

Achievements

- Discovered and responsibly disclosed an **Insecure Direct Object Reference (IDOR)** vulnerability in **Kajabi Services**, rewarded under their bug bounty acknowledgment.

Certifications

- **Intermediate Next.js** – Frontend Masters
- **Intermediate React Native, v2** – Frontend Masters
- **Practical Web Application Security and Testing** – TCM Security

Languages

- English
- Sinhala
- Tamil