R. KRISHANTHAN

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EXECUTIVE SUMMARY

Adaptable Software Engineer with 1+ years of experience in full-stack development. Proficient in building modern, scalable applications from conception to deployment.

EXPERIENCE

Hack Kap: *Full Stack Developer (Contract)* *Nov 2025 - Feb 2026*

- Developed a cloud-native cybersecurity training platform using React/Next.js and Node.js, delivering an MVP for hosting containerized CTF challenges.
- Dockerized frontend and backend services and created a Docker Compose environment to mirror the VPS production setup for local development and testing.
- Automated Kubernetes orchestration using GitHub Actions and K3s to automatically deploy namespaces, services, and infrastructure via YAML manifests.
- Optimized frontend performance and SEO by implementing a Server-First approach with Next.js Server Components, significantly reducing client-side bundle sizes.

Freelance Software Developer *Mar 2025 - Present*

- Architected and deployed 10+ custom web and mobile applications for diverse clients, managing the full software development lifecycle (SDLC) from initial requirements gathering to final production hosting.
- Engineered key features and responsive UI components for a micro-job search mobile app using Flutter, collaborating in a multi-developer environment to implement business logic and state management.
- Streamlined cybersecurity challenge submission workflows by integrating the Google Drive API, automating document management and eliminating manual file processing overhead for 40+ active users.
- Developed SEO-optimized, performant web applications with tailored site architectures and metadata strategies, consistently achieving Top 3 Google search rankings for client targeted keywords.

Independent Security Researcher *Apr 2023 - May 2024*

- Discovered and responsibly disclosed an IDOR vulnerability within the Kajabi Email Services, securing customer data across over 100,000 businesses and 75 million end-users.

PROJECTS

LetsChat - Real-Time Messaging Mobile Application

- Developed a bi-directional communication system with persistent socket connections for low-latency text delivery and instant connectivity.
- Integrated Firebase Storage and push notifications to support story-based content & instant user engagement.
- Integrated low-latency bi-directional messaging using WebSockets, enabling instant text connectivity and live user presence updates.

BeFit - Sports E-Commerce Mobile Platform

- Architected a real-time administrative dashboard with dynamic data visualizations to track critical business KPIs and sales performance.
- Engineered an automated PDF report generation engine with custom Canvas drawing and secure document sharing via File Provider.
- Implemented persistent session management and secure API communication for seamless user authentication and data integrity across sessions.

SKILLS

- TypeScript, JavaScript (ES6+), Java, Dart, PHP, PostgreSQL, MySQL, MongoDB, SQLite, Firebase Firestore, Hibernate
- HTML5, CSS3, React Native (Expo), Next.js, React.js, Flutter, Tailwind CSS, Zustand, Node.js, Express.js, Android (java), Jakarta EE, SpringBoot, Docker, Kubernetes, Github Actions, Linux, Git, Prisma, Jest, AWS, Azure

EDUCATION

IIC University of Technology **April 2026**

Bachelor of Engineering in Software Engeering
Affiliated Institution: Java Institute for Advanced Technology, Sri Lanka

Phnom Penh, Cambodia