

# 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.

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## 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

- Delivered 10+ full-stack web and mobile applications for clients, managing development from requirements gathering to deployment.
- Contributed to a micro job finding mobile application built with Flutter, implementing UI components and feature logic while collaborating with other developers.
- Automated cyber security challenge submission workflows using the Google Drive API, reducing manual handling and eliminating submission overload for 40+ users.
- Delivered SEO-optimized web solutions achieving top 3 Google search rankings for client 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.
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## PROJECTS

### BusEase - Online Bus Ticket Booking Application

- Built a cross-platform transit application for 2 distinct user categories (Passengers and Operators) using Flutter and Clean Architecture principles, maintaining a 99.9% crash-free session rate tracked via Firebase Crashlytics.
- Integrated the PayHere mobile SDK to handle in-app ticket purchases securely, processing 100% of user transactions natively and eliminating the need for manual payment verification.
- Configured Firebase Cloud Messaging (FCM) to dispatch instant push notifications for booking confirmations and schedule alerts, ensuring zero-delay communication between operators and passengers.

### 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.
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## SKILLS

- TypeScript, JavaScript, Java, Dart, PHP, PostgreSQL, MySQL, MongoDB, SQLite, Firebase Firestore, Hibernate, Prisma,
  - React Native (Expo), Next.js, React.js, Flutter, Tailwind CSS, Zustand, Node.js, Express.js, Android (java), Jakarta EE, Docker, Kubernetes, Github Actions, Linux, Git
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## EDUCATION

### Bachelor of Engineering in Software Engineering

IIC University of Technology

April 2026

Phnom Penh, Cambodia