Durga Gairhe

Senior Software Engineer · Product Builder · Frontend & Mobile

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Senior Software Engineer and product founder with 4+ years of experience building and shipping production web and Android applications. Owns products end to end — architecture, engineering, release, and growth — across React, Next.js, React Native, Kotlin, and TypeScript. Combines hands-on frontend and mobile engineering with technical leadership and Scrum delivery. Founder of AuraLock and CipherOnce, both live and in active use.

PROFESSIONAL EXPERIENCE

Founder & Senior Software Engineer
Dec 2024 – Present

AuraLock · Self-employed · Kathmandu, Nepal (Remote)

- Founded and built AuraLock, an Android focus application that lets users define an intentional set of apps available during a session. Live on the Play Store, Chrome, and Firefox.
- Architected the product across React Native and native Android (Kotlin), combining cross-platform UI with native foreground-service and accessibility-based enforcement.
- Designed and shipped core systems: sessions, scheduling, app selection, native lock experiences, gamification with XP and achievement levels, and on-device state management.
- Owned the full product lifecycle — strategy, UX, engineering, QA, Play Store release and compliance, marketing, and community growth. A live in-app demo increased completed focus sessions by 38%.
- Maintained a privacy-first architecture, with core functionality running entirely on-device and no backend dependency.

Founder & Full-Stack Engineer
Mar 2025 – Present

CipherOnce · Self-employed · Kathmandu, Nepal (Remote)

- Built a zero-knowledge, end-to-end encrypted secret-sharing platform using Next.js, TypeScript, and the Web Crypto API (AES-256-GCM) — self-destructing links for passwords, API keys, and confidential messages.
- Designed a security-first architecture where encryption happens entirely client-side and the server never has access to plaintext data.
- Implemented the Supabase backend and Edge Functions, link lifecycle management, and key handling, and authored the security documentation and disclosures.

Software Engineer — Technical Lead & Scrum
Dec 2022 – Dec 2024

Moru Digital Wallet · Contract · Kathmandu, Nepal

- Acted as Scrum Master and Technical Lead, coordinating cross-functional delivery with Agile practices, Jira, and Git, while mentoring interns and junior developers.
- Delivered 7+ end-to-end features across frontend, backend, and database for a digital wallet, including a gamified rewards engine that lifted engagement by 22%, a Quick Payment integration, and an Agriculture Loan credit-scoring system.
- Improved engineering quality with a custom ESLint plugin that enforced team coding standards and a VS Code extension for JavaScript vulnerability detection.
- Contributed to backend security hardening, query optimization, and caching strategies across the platform.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Kotlin, Python, SQL, HTML, CSS
Frontend: React, Next.js, React Native, Redux Toolkit, RTK Query, Tailwind CSS, Astro
Mobile: React Native, Native Android (Kotlin), Android SDK, Jetpack Compose, Play Store Release
Backend & Data: Node.js, MongoDB, PostgreSQL, Supabase, REST APIs, Edge Functions
Security: Web Crypto API, AES-256-GCM, Zero-Knowledge Architecture, OAuth 2.0, JWT
Engineering & Practices: Git, CI/CD, Vercel, Testing (Jest / Vitest), QA Automation, Agile / Scrum

EDUCATION

Bachelor's (Hons) in Computing, Computer Science
2018 – 2022

Softwarica College of IT and E-Commerce, in affiliation with Tribhuvan University — Kathmandu, Nepal