

# Arnel Sinadhan

Software Engineer

Antipolo City, Philippines | [arnelsinadhan19@gmail.com](mailto:arnelsinadhan19@gmail.com) | 09927204531 | <https://arnel-sinadhan.vercel.app/>

## SUMMARY

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Full-stack Software Engineer with 2+ years of experience building production-ready web and mobile applications using React, Next.js, TypeScript, and Flutter. Skilled in architecting administration panels from the ground up, refactoring shared component libraries, and integrating complex features into existing codebases. Strong focus on code quality, reusable component systems, and delivering polished, multi-language user experiences within team-based development workflows.

## EDUCATION

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**Bachelor of Science in Information Technology** 2019 - 2022

*Institute of Creative Computer Technology (ICCT Colleges)*

## TECHNICAL SKILLS

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**Languages:** TypeScript, JavaScript, Python, Dart, Kotlin, PHP, HTML, CSS

**Frontend:** React, Next.js, Redux, Jotai, Tailwind CSS, Material UI, Radix UI, Headless UI, Framer Motion, React Hook Form, i18next, Vite, Bootstrap

**Backend:** Node.js, Express.js, FastAPI, Laravel, REST APIs, SQLAlchemy

**Mobile:** Flutter, Dart, Android (Kotlin), iOS integration

**Databases:** PostgreSQL, MongoDB, Firebase

**Tools and Platforms:** Git, Docker, Vercel, Firebase, Axios

## PROFESSIONAL EXPERIENCE

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**Software Engineer**

*September 2024 - Present*

*HiPE Japan Incorporated*

- Develop commercial software products for the Japanese market, including React and Next.js web applications, B2B SaaS admin panels, and cross-platform mobile applications.
- Architect and build administration panels from the ground up, covering user management, OTP-based authentication, file management with drag-and-drop uploads, and reporting features.
- Refactor and standardize shared component libraries across multiple application themes, establishing reusable standards adopted across broader migration efforts.
- Implement multi-language support using i18next and accessible, composable UI primitives to deliver polished user experiences across web and mobile platforms.
- Collaborate within team-based workflows to integrate complex features into existing codebases while maintaining code quality and long-term maintainability.

## PROJECTS

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### ERP System - Web Migration

*Next.js, TypeScript, Jotai, React Hook Form, Tailwind CSS, PHP, Laravel*

- Audited and refactored a shared component library used across multiple application themes, resolving inconsistencies and establishing reusable standards.
- Migrated ERP system features from a legacy interface to a modern web application, implementing multi-step forms, validation workflows, and data-driven UI with global state management and form context.
- Standardized component library was subsequently adopted by the team across the broader migration effort.

### Promotional Campaign Management Interface

*React, TypeScript, Redux, Tailwind CSS, Radix UI, Headless UI, Lottie, i18next, Vite*

- Designed and built a dedicated campaign management interface from the ground up to support promotional lucky draw operations.
- Implemented campaign configuration, participant entry management, drag-and-drop file uploads, animated feedback via Lottie, and full multi-language support.
- Built with accessible, composable UI primitives to ensure long-term maintainability.

### Secure Digital Content Distribution - Admin Panel

*React, TypeScript, Redux, Material UI, Axios, i18next, Firebase, Vite*

- Architected and built a full-featured administration panel from the ground up for a digital content distribution platform.
- Implemented original file uploads with thumbnail generation and mobile preview rendering, master file duplication with UUID management, and bulk content registration via Excel processing.
- Built customer account management and inquiry handling features backed by paginated, filterable data tables.

### Secure Digital Content Distribution - Mobile App (Phase 3)

*Flutter, Dart, Firebase, iOS, Android*

- Contributed key features in Phase 3 of a cross-platform digital media streaming application built with Flutter.
- Implemented Sign in with Apple for native iOS authentication and integrated AirPlay for wireless media casting to Apple devices.
- Enhanced the native video player on both iOS and Android, improving audio track selection, subtitle rendering accuracy, and overall playback control quality.

### SaaS Platform - Web Admin Panel

*React, TypeScript, Redux, Material UI, Vite, i18next, React Router*

- Architected and built the web-based administration panel from the ground up for a SaaS platform.
- Delivered user management, OTP-based authentication flows, media and file management with drag-and-drop uploads, and timezone-aware date filtering and reporting.
- Implemented cookie-based session handling and full multi-language support.

### Product Marketing Landing Page

*HTML5, CSS3, Bootstrap 5, JavaScript*

- Designed and developed a responsive, Japanese-language marketing landing page from scratch for a digital content product.
- Structured the site across multiple pages including a top page, how-to-use guide, and FAQ, with dedicated responsive layouts for mobile, tablet, and desktop breakpoints.