

RAM SANATH KUMAR

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Summary

Senior Full-Stack Engineer with 8 years building web and mobile applications across fintech, publishing, and education. Expert in React, React Native, Next.js, Node.js, Express.js, and PostgreSQL, with experience in Flutter, native Android, and MongoDB. Shipped security-audited crypto wallets, payment systems used across 4+ countries, and analytics platforms serving 300+ schools. Strong background in microservice architecture, CI/CD pipelines, and AWS.

Professional Experience

Senior Software Engineer, Nordicloop

January 2022 - Present, Remote

- Developed a secure multi-signature wallet for Bitcoin and Ethereum-like chains using React Native and Express.js with fund recovery, inheritance, multi-address and multi-asset support, security audited and approved by top-tier cybersecurity firm Least Authority.
- Created a crypto payment ecosystem spanning a consumer wallet in React Native and a merchant POS app in native Android with Jetpack Compose, with QR and NFC payments, stablecoin on-ramp/off-ramp via 50+ ATMs and merchant terminals, and printable paper wallets for offline payments.
- Built the Android app for a digital cash collection system used across 4+ countries in Latin America, enabling delivery workers to collect payments in stores via QR, NFC, or phone number, with funds reaching the company treasury in seconds instead of days.
- Designed an in-house monitoring system and dashboard for HTTP, RPC and SSH services with optimized state transition storage and scheduled checks.
- Developed a cross-chain bridge contract in Solidity, plus a real-time Node.js relay processing blockchain events with BullMQ.

Software Developer, Solar for Schools

August 2020 - January 2022, Remote

- Co-built Flutter app used by 300+ schools across 4 countries for calculating ROI on solar investment and analyzing energy savings.
- Architected solar panel design and analysis tools on Google Maps SDKs, including rooftop mapping, panel placement and irradiance based energy estimation.
- Designed and built Express.js REST APIs and the React SPA consuming them for the solar analytics dashboard.
- Gamified environmental education for students through interactive mobile experiences.

Flutter Developer, Scroble

May 2020 - October 2021, Contract

- Built the shopper app for a phygital retail platform, letting customers scan tags in physical stores to save, share, and explore products, with offline catalogue caching making the app function in weak in-store connectivity.
- Designed a drag-and-drop virtual wardrobe canvas where users upload their own images and tag products to specific regions, powering digital wishlists, outfit building and sharing them to their profiles.

- Engineered the brand-side management portal for inventory, users, products, and promotions across hundreds of stores and thousands of SKUs.

Frontend Developer, Wipro Digital

March 2020 - July 2020, Bangalore

- Built internal financial management tools for a tier-1 bank in America.
- Replaced spreadsheet-driven workflows with dedicated apps cutting down intervention.
- Created a reusable Storybook component library with 20+ components used by 4 frontend teams.

Software Developer, Newgen KnowledgeWorks

January 2019 - February 2020, Chennai

- Led migration of a monolithic web application into microservices improving maintainability.
- Built an end-to-end publishing platform serving authors, proofreaders, and publishers using Ruby on Rails and React.
- Designed a specialized report generation dashboard replacing legacy query based systems.
- Migrated legacy SOAP based APIs into modern REST APIs.
- Contributed as an Intern between December 2017 to December 2018.

Technical Skills

Frontend & Mobile: React, React Native, Expo, Next.js, TanStack Query, Zustand, MobX, Redux, Tailwind CSS, Flutter, Native Android, Jetpack Compose.

Backend & Infrastructure: Node.js, Express.js, BullMQ, Microservice Architecture, Docker, CI/CD Pipelines (GitHub Actions, CircleCI).

API Design: OAuth2, JWT, Passkey, REST, GraphQL, OpenAPI, Swagger.

Databases: PostgreSQL, MySQL, MongoDB, Firestore.

Cloud: AWS, Google Cloud, Firebase.

Programming Languages: TypeScript, JavaScript, Kotlin, Python, Java, Dart.

Web3 & Blockchain: Ethereum, Bitcoin, ethers.js, HD Wallets, cryptography.

Platforms: App Store Connect, TestFlight, Google Play Console, Stripe

Tools & Methodologies: GitHub, Jira, Agile, Jest, TDD, Integration Testing.

AI Tools: Claude Code, Github Copilot, Cursor, Spec-Driven Development.

Education

Bachelor of Engineering in Computer Science

Apr 2015 - Apr 2019

SCSVMV University, Kanchipuram