Amarnath Rajapandian

Tech Lead — Full Stack Engineering

React.js · Next.js · Node.js · React Native · AWS & GCP · 12+ years

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EXPERIENCE SUMMARY

Tech Lead – ROSHN — Dec 2023 – Present, Saudi Arabia (Remote)

Module Lead – CARSOME — Apr 2022 – Nov 2023, Malaysia (Remote)

Engineering Lead – Wells Fargo — Jun 2021 – Mar 2022, USA (Remote)

Full Stack Developer – Upwork — Sep 2020 – Jun 2021

Software Engineer – Geeks Invention Private Limited — Oct 2020 – Mar 2021

Full Stack Developer – Abservetech Private Limited — Jan 2019 – Sep 2020

Freelancer – Upwork — Jun 2013 – Sep 2019

System Analyst – Enova Software and Hardware — Nov 2011 – Jun 2013

PROJECTS

SalesTub CRM — Multi-Tenant SaaS Platform (salestub.com)

Solo Architect & Full-Stack Engineer · NestJS · Next.js · React Native · PostgreSQL · GCP

- Architected and shipped a production multi-tenant CRM SaaS single-handedly — NestJS REST API, four Next.js portals and a React Native app live on the App Store — covering leads, pipelines, quotes, invoicing and field-sales tracking with live GPS.
- Strict tenant isolation with deny-by-default RBAC; AI-powered lead-ingestion pipeline (Cloudflare Workers + Claude API) parsing IndiaMART/TradeIndia emails into structured leads.
- GST-compliant subscription billing (Razorpay, Stripe, Cashfree), visual workflow automation, WhatsApp Business campaigns, and full CI/CD ownership on Google Cloud.
- Integrated 15+ third-party systems — payments, WhatsApp Cloud API, Twilio SMS, FCM push, Gmail & Outlook two-way email sync, Meta Lead Ads — with per-tenant credential isolation.
- Cut cloud spend via SKU-level GCP billing audit (WebSocket traffic was 78.6% of Cloud Run in-flight seconds) and shipped iOS 1.0 to the App Store, resolving six review rejections.

QUICK FACTS

- 12+ years of experience in full-stack web development.
- Expert in React.js, Next.js, Node.js, GraphQL and AWS.
- Built end-to-end flows: payments, identity verification, digital signing.
- Led teams as Module Lead and Scrum Master.

SKILLS

Frontend
React.js, Next.js, React Native, TypeScript, JavaScript

Backend
Node.js, NestJS, Express.js, GraphQL, Socket.IO

Data
MongoDB, Firebase, TypeORM, Sequelize

Cloud & Tools
AWS, Google Cloud (Cloud Run, Pub/Sub, Cloud SQL), Cloudflare Workers, Docker, ForgeRock, Puppeteer, Git, Jira, Scrum

EDUCATION

MBA, Finance – KV Institute of Management and Information Studies, 2009 – 2011

B.Com with Computer Application – Madurai Kamaraj University, 2007 – 2009

LANGUAGES

Tamil · English

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PROFESSIONAL SUMMARY

Senior full-stack engineer and solution architect with over 12 years of experience designing and delivering large, highly customized web and mobile platforms — from e-commerce and content management to enterprise real-estate systems. Expert in React.js, Next.js, Node.js, GraphQL, Socket.IO and React Native.

Proven track record architecting mission-critical customer journeys end to end, and microservice architectures that keep enterprise CRM and CMS platforms in sync at scale. Specialized in cloud solutions across AWS (EC2, Amplify, S3, CloudFront), Google Cloud (Cloud Run, Pub/Sub, Cloud SQL) and Cloudflare Workers, with hands-on CI/CD automation, and a delivery leader as Module Lead and Scrum Master.

ROLES & RESPONSIBILITIES

ROSHN – Tech Lead

Saudi Arabia (Remote) · December 2023 – Present

- Key contributor on the Home Acquisition frontend team; built the end-to-end unit reservation flow, including payment gateway integration.
- Integrated SignIt digital signing, Nafath identity verification and ForgeRock authentication.
- Own multiple microservices that synchronize CRM data to the CMS, including a cron-based cloud function driving the sync.
- Optimized the reservation flow and enhanced the login and registration flows.
- Owned the book-appointment feature end to end.

CARSOME – Module Lead, Martech Engineering

Malaysia (Remote) · April 2022 – November 2023

- Designed and built scalable Martech and customer-engagement platforms connecting digital channels, CRM, customer data and marketing automation systems.
- Built customer journey and event tracking across web and mobile, with API integrations to CRM, CDP, analytics, WhatsApp, email and SMS platforms.
- Implemented segmentation, personalization and automated campaign journeys, with event-driven data pipelines powering Customer 360, attribution and funnel analytics.
- Developed reusable React and Node.js components on modern cloud, improving lead conversion, engagement and campaign effectiveness.

Wells Fargo – Engineering Lead, Lending Platform Engineering

USA (Remote) · June 2021 – March 2022

- Developed a digital lending platform supporting end-to-end loan origination and customer journeys, with scalable React and Node.js applications and APIs.
- Built REST API integrations with internal and third-party systems for customer data, eligibility, credit assessment, decisioning and loan processing.
- Implemented complex business workflows and validation rules across loan application, underwriting, approval, documentation and servicing.
- Followed enterprise banking standards for security, compliance, data protection, logging and auditability; improved performance and reliability across critical lending journeys.
- Led a mission-critical internal web application team, cutting developer onboarding time by 60%; reduced defects by up to 30% by writing test cases for every React component.

EARLIER EXPERIENCE

Full Stack Developer, Upwork · Sep 2020 – Jun 2021 — Requirements gathering, validation and peer code reviews for a high-profile external web app, from MVP to product–market fit.

Software Engineer, Geeks Invention · Oct 2020 – Mar 2021 — Automated CI/CD for a high-profile single-page app (97% less manual deployment); designed MongoDB schemas.

Full Stack Developer, Abservetech · Jan 2019 – Sep 2020 — Automated CI/CD for a customer portal (3× faster deployments); migrated environments to the cloud, cutting administration by 95%.

Freelancer, Upwork · Jun 2013 – Sep 2019 — Full-stack development and API design for client web applications.

System Analyst, Enova Software and Hardware · Nov 2011 – Jun 2013 — Drupal and WordPress development; built and maintained a college portal.