

Nishanth Sebastin J

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PROFESSIONAL SUMMARY

Full-stack software engineer with 2+ years of experience building and shipping scalable, production-grade web applications and SaaS products - from React and Next.js frontends to TypeScript and NestJS microservices, with hands-on expertise in REST/GraphQL APIs, event-driven systems (Kafka), databases, cloud (AWS, Docker, Kubernetes), CI/CD, and automated testing.

TECHNICAL SKILLS

Languages & Markup: JavaScript, TypeScript, SQL, HTML5, CSS3

Frontend: React.js, Next.js, Redux, React Query, Tailwind CSS, Three.js

Backend & APIs: Node.js, NestJS, Express.js, RESTful APIs, GraphQL, JWT, OAuth 2.0

Databases & ORMs: PostgreSQL, MySQL, MongoDB, Redis, Prisma

Cloud & DevOps: AWS, Docker, Kubernetes, Jenkins, GitHub Actions, Terraform

Messaging & Testing: Kafka, RabbitMQ, Jest, Cypress, Playwright

Tools & Practices: Git, Postman, Agile / Scrum, CI/CD, Microservices, Event-Driven Architecture

PROFESSIONAL EXPERIENCE

Cartrabbit - Software Engineer

Coimbatore, India | June 2024 - Present

- Developed and deployed a scalable microservices architecture using TypeScript (NestJS), Kafka event streaming, and RESTful APIs to power a high-volume email marketing SaaS product, improving overall system performance and reliability.
- Built client-specific integrations with WooCommerce and Shopify, enabling seamless email automation and campaign management across multiple e-commerce platforms.
- Designed and consumed REST and GraphQL APIs secured with JWT and OAuth 2.0 authentication, and used Redis caching to reduce database load and improve API response times.
- Contributed to backend and frontend development of a new SaaS product, implementing advanced workflow automation features and preparing the product for launch.
- Delivered the Shopify Cashback Rewards app, enabling automated, rule-based cashback for merchants with multi-currency support; integrated Shopify store credit, built customer-facing widgets, and implemented expiry and promotional campaign features to boost retention and repeat sales.
- Wrote unit and integration tests and maintained CI/CD pipelines (Jenkins, GitHub Actions); participated in code reviews and Agile ceremonies to ensure code quality and reliable, faster releases.

Nextone Solutions - Software Developer Intern

Coimbatore, India | February 2023 - December 2023

- Designed and implemented a responsive yoga business website focused on user-friendly UX and performance optimization to enhance customer engagement.
- Built a college Education Management System using Next.js (server-side rendering), Prisma ORM, and MongoDB, streamlining student registration, course management, and reporting workflows.

PROJECTS

Knee Pre-Op Planning Tool

React, Three.js, WebGL

- Built a browser-based 3D application to visualize knee anatomy and plan surgical procedures pre-operatively, rendering interactive anatomical models with real-time rotate, zoom, and inspection controls.
- Implemented on-model measurement tools to capture distances and angles directly on the 3D geometry, removing the need for specialized desktop software.

Kisentra Global - Engineering & Manufacturing Platform

Next.js, React, Tailwind CSS

- Developed and shipped a full-stack, responsive web platform for an ISO-certified engineering and manufacturing company serving 12+ industries worldwide; live in production.
- Built service and capability pages (CNC machining, injection molding, 3D printing, casting, and fabrication) on a clean, performant Next.js architecture optimized for load speed and SEO.

EDUCATION

SNS College of Technology - Coimbatore, Tamil Nadu, India

Bachelor of Engineering, Computer Science and Engineering | November 2020 - June 2024