

Abhishek J. Nair

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Full-stack SDE with production experience shipping multi-tier, customer-facing web applications at a healthcare SaaS startup — spanning React/Redux frontends, OOP-structured Node.js APIs, relational database backends, and AWS cloud infrastructure. Proven in agile sprint cycles with TDD, CI/CD pipelines, and PR-based code review workflows. Proficient in JavaScript/TypeScript, Python, and Node.js; comfortable adopting new frameworks including Rails given strong MVC architectural grounding. Fintech minor with coursework in digital wealth management, investment analysis, and financial product design — directly relevant to WeInvest's robo-advisory and portfolio aggregation platform.

TECHNICAL SKILLS

Languages: JavaScript / TypeScript, Python, Node.js, SQL, Java, C/C++, Go, R

Frontend: React, Redux, Next.js, TypeScript, Vite, Bootstrap, jQuery — proficient in MVC-structured UI patterns

Backend & APIs: Express.js, Node.js, FastAPI, Flask, Strapi CMS, REST APIs, Stripe API, Razorpay API, SendGrid API

Databases: PostgreSQL, Firebase Firestore & Realtime DB, SQLite — relational schema design and query optimisation

Testing & CI/CD: Playwright (TDD), GitHub Actions, Codecov, LCOV coverage, merge gates, agile PR workflows, Postman, Git

Cloud & Infra: AWS (ECS Fargate, EventBridge, SQS, Secrets Manager, KMS, IAM, SSM), Docker, Terraform, Kubernetes

Architecture: OOP, MVC, multi-tenant SaaS, RBAC, webhook pipelines, HIPAA-compliant systems

EXPERIENCE

Full-Stack SDE Intern · Subscribili (Healthcare SaaS) May 2025 – Oct 2025

React · Redux · Node.js · PostgreSQL · Python · AWS · Playwright · agile · Bangalore, onsite

- **Multi-Tenant Web Application:** Expanded platform reach to 4 language localizations across 20+ tenant configurations by extending a Strapi CMS + React/Redux multi-tenant app with Bootstrap-enhanced UI components, OOP-structured role-based access control, and a SQLite-to-PostgreSQL migration for production-grade scalability.
- **Self-Service Client Portal:** Reduced subscription plan creation time by 87% — from hours to under 15 minutes — by shipping a self-service client portal with a guided React/Bootstrap UI and an OOP-structured Node.js + PostgreSQL API, eliminating engineering involvement for routine client onboarding.
- **Payment & Webhook Pipeline:** Prevented duplicate subscription billing events across 20+ client tenant deployments by implementing idempotent Stripe webhook handlers with server-side deduplication, ensuring reliable subscription lifecycle processing across all payment callbacks.
- **Real-Time EMR Monitoring Pipeline:** Eliminated 90% of manual EMR monitoring overhead across Dentrix, Eaglesoft, and OpenDental integrations by building a vendor-agnostic Python event pipeline using OOP design patterns with AWS EventBridge and SQS, delivering automated daily health-summary reports via SendGrid.
- **Zero-Trust Credential Infrastructure:** Eliminated hardcoded credentials across 20+ client tenants — the platform's single largest security exposure — by architecting a HIPAA-compliant zero-trust backend using AWS Secrets Manager, KMS encryption, IAM RBAC, and ECS Fargate.
- **Agile Engineering & TDD:** Achieved 90% test coverage with automated merge gates across agile sprint cycles by building a GitHub Actions pipeline with Playwright integration tests, Codecov LCOV coverage reporting, and patch-coverage thresholds enforced as PR requirements.

Academy Representative · Robin Hood Army (Non-Profit) Feb 2025 – Present

Volunteer leadership · programme coordination · Bangalore

- Coordinated educational access for 7,328+ students and 12,348+ school admissions nationwide by managing admissions, events, and volunteer operations across RHA Bangalore's academic wing; personally teach mathematics to primary students at Government School, Indiranagar.

PROJECTS

GYMMER — Gym Discovery & Subscription Platform · React · TypeScript · Firebase · Razorpay · Vite 2024

- **Full-Stack Architecture:** Customer-facing multi-tier web application — React/TypeScript frontend, Firebase Firestore backend, and a subscription paywall with Razorpay; secure webhook validation, subscription lifecycle logic, and RBAC gating premium data for 90+ verified gym listings.

- **Admin & Analytics Dashboard:** Full-stack admin system with bulk gym management, CSV import/export, Firebase Authentication, and analytics tracking for impressions and contact clicks.

SnackDash — Campus Food Delivery Platform · Next.js · Firebase Realtime DB · Node.js²⁰²⁴

- **Multi-Tier Marketplace:** Peer-to-peer food delivery platform with a Next.js frontend, Node.js API routes, and Firebase Realtime Database backend — real-time order tracking, push notifications, and role-based authentication for customers and couriers.
- **Matching Algorithm & Order Engine:** Dual-sided marketplace with an automatic courier-matching algorithm, order management system, and payment integration — designed with clean OOP separation between matching logic, order state, and payment layers.

NodePulse — API Observability Dashboard · Node.js · Kubernetes · Prometheus · Grafana · Helm · Docker²⁰²⁵

- **Metrics & Visualisation:** Instrumented an Express.js API with prom-client; built PromQL dashboards in Grafana visualising real-time traffic rates, CPU, heap, and GC telemetry across Kubernetes deployments via Helm.
- **Load Testing & Validation:** Stress-tested with autocannon at 100 concurrent users — HPA scaled from 2 to 5 replicas at 64% CPU; observed p99 latency of 8.1s under full saturation, validating the complete metrics → autoscaling pipeline end-to-end.

EDUCATION

B.Sc. Computer Science, Minor in Fintech · RV University, Bengaluru^{Aug 2023 – May 2027}

- **Fintech minor:** Digital wealth management, investment analysis, financial product design, and India's digital payments ecosystem (UPI, BNPL, card rails) — directly aligned with WeInvest's robo-advisory, portfolio aggregation, and wealth platform products.
- **Relevant coursework:** Data Structures & Algorithms, Database Systems, Operating Systems, Computer Networks — strong foundations in algorithmic reasoning, OOP, and system design.