

Neeraj Butola

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PROFESSIONAL SUMMARY

Senior Full Stack (MERN) + Cloud Engineer with 3.7+ years building secure, scalable products across **MongoDB, Express.js, React/React Native, Node.js** and **Python** backends. Spearheaded end-to-end delivery of microservice platforms on **AWS** (EC2, ECS/EKS, S3, CloudFront, Lambda), implemented **Nginx reverse proxy**, rate limiting, security headers, API key auth, and robust CI/CD. Frontend specialist in **React, Next.js, Vite** with pixel-perfect UI and strong SEO (CWV, structured data). Deep experience with **Strapi, Redis, Kafka, NATS, Kubernetes**, and event-driven architectures.

WORK EXPERIENCE

Software Engineer (Neoveda Technologies)

Jul 2025 – Present

- Spearheaded migration of Node.js microservices powering an AI workflow product (*similar to Boltic-class orchestration*) to a **containerized architecture** on **Kubernetes (EKS)** with **event-driven** patterns using **Kafka** and **NATS**; improved deployment velocity and reliability.
- Led **service decomposition & decoupling** from monolithic services into domain-aligned microservices; standardized **API contracts**, observability, retries, and backoff policies across **Node.js/Express** services.
- Developed and maintained **full-stack applications** with **React** and **Angular** frontends consuming backend REST APIs; implemented component-based UI design and state management for high performance.
- **Architected RESTful APIs** from scratch — including route design, async flow, authentication, and validation; applied best practices for idempotency, pagination, and caching. Ensured adherence to REST principles and security measures (rate limiting, JWT/OAuth2).
- Designed resilient systems with **Node.js clusters**, streams, buffers, and inter-process communication (spawn/fork/patch); optimized memory handling and implemented tools to fix potential memory leaks.
- Built and optimized SQL procedures and indexes across **PostgreSQL, MySQL**, and **MongoDB**; wrote stored procedures, analyzed query plans, and tuned indexes for high-volume transactions.
- Developed **secure ingress** with **Nginx**, enforced API key validation, HSTS, CSP, CORS, and rate limits; integrated **Redis** for caching and queueing; optimized raw SQL execution paths for hot transactions.
- Owned **SEO & performance metrics**: Next.js SSR/ISR, Core Web Vitals (LCP/CLS/INP), sitemaps, canonical/OG tags, schema.org; CDN tuning on **CloudFront**.
- Integrated **Strapi CMS** for headless content management; developed webhook-driven pipelines connecting CMS events with backend microservices.

Associate Software Developer (ONEAGROW FINTECH)

May 2023 – Jul 2025

- Owned **end-to-end architecture & delivery** for **Greatr fintech** suite: React/React Native frontends, Node/Express microservices, and data stores (PostgreSQL/MSSQL/MongoDB).
- **Built from scratch on AWS**: frontend on **S3 + CloudFront**; backend on **EC2** and **ECS** for decoupled services; blue/green deploys with Docker and GitHub Actions.
- **Integrated 3rd-party platforms** at scale: **KYC/eKYC (Aadhaar/OKYC), payments, SMS/email, analytics, maps, notifications (FCM/SES/SNS)**, and fraud signals; standardized adapters and secrets management.
- Implemented **Nginx reverse proxy** as edge gateway (TLS, API key checks, rate limiting, security headers, strict CORS); hardened Linux hosts.
- Delivered **pixel-perfect UIs** with **React, Next.js, Vite, React Native**; design-system governance, a11y, and performance budgets.
- **Performance & reliability**: hot paths via **raw SQL** (no ORM), lazy loading caching with redis and usage of async queues(Bull/BullMQ), idempotency keys, and saga-style workflows to ensure at least Eventual consistency.

New Associate (Accenture)

Dec 2021 – Apr 2023

- Supported enterprise apps on **Azure/AWS** using **React, Node.js, Express, MongoDB**; automated CI/CD with GitHub Actions, Docker, Bash/Python.
- Built reusable React components (Hooks/Redux) and improved reliability with Redis caching and CDN integration.

PROJECTS

Pupils - Student LMS (PostgreSQL, Node, Express, React, Tailwind, Redux)

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- Role-based auth, REST APIs, and secure deployments on Linux; **React + Vite + Tailwind** for responsive, accessible UI.
- AWS SNS for real-time notifications; modular services with clean interfaces for future mobile integrations.

Greatr - Fintech Apps (React Native, React, Node, Express, MSSQL, PostgreSQL)

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- **Greenfield build on AWS**: frontend via **S3 + CloudFront**; backend on **EC2 + ECS**; pipelines with Docker & GitHub Actions; Linux hardening.
- **Pixel-perfect** web & mobile UI using **React, Next.js, Vite, React Native**; consistent design tokens and theming.
- Security-first: Nginx gateway with **API key auth**, TLS, CSP, HSTS, **rate limiting**, strict CORS; **sanitized inputs** and SQL hardening.
- Data & messaging: Redis caching/queues, **Kafka/NATS** for events; hot paths with optimized **raw SQL** (no ORM).
- Rich integrations: **KYC, payments, FCM, email/SMS, analytics, maps**; dashboards for real-time merchant insights.

Greatr Onboarding Portal (PostgreSQL, Node, Cypress, Python, Angular)

[View Demo](#)

- Scalable onboarding with Angular + Node; **OKYC Aadhaar** for eKYC and e-sign; Cypress suites and Dockerized CI/CD.

EDUCATION

2017 – 2020 Bachelor of Science in Computer Science, Mumbai University

CERTIFICATIONS

AWS Certified Cloud Practitioner

Microsoft Certified: Azure Administrator (AZ-104)

Azure Fundamentals (AZ-900)

Azure Security (SC-900)

Azure Data Fundamentals (DP-900)

Azure AI Fundamentals (AI-900)

TECHNICAL SKILLS

Frontend: **React, React Native, Next.js, Vite, Tailwind, Redux, TypeScript, Accessibility (WCAG), SEO (CWV, schema.org)**

Backend: **Node.js, Express.js, Python (Flask/FastAPI), REST APIs, Microservices, Strapi (Headless CMS)**

Data/Messaging: **MongoDB, PostgreSQL, MySQL, MSSQL, Redis, Kafka, NATS**

Cloud/DevOps: **AWS (EC2, S3, CloudFront, ECS, EKS, Lambda), Docker, Kubernetes, Nginx, CI/CD (GitHub Actions), CloudWatch**

Security: **API Keys, TLS/HTTPS, CORS, CSP/HSTS, Rate Limiting, Input Sanitization, SQL Hardening, Linux Hardening**