

DEBASHIS NANDY

Senior Full-Stack Engineer • React • Node.js • TypeScript • Real-Time Systems

Pune, India • +91 8583858959 • dnandy.work@gmail.com • linkedin.com/in/debashisnandy

PROFESSIONAL SUMMARY

Full-stack engineer with 5+ years building real-time, scalable web applications end to end with React, Node.js, and TypeScript. Strong across event-driven backends (Socket.io, Redis Pub/Sub, Express.js) and high-performance React frontends, with a track record of replacing third-party SaaS with in-house systems.

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Jun 2022 – Present

Cybage Software Pvt. Ltd. | Pune, India

- Architected and shipped a full-stack, real-time chat platform to replace SendBird, cutting recurring subscription costs while meeting custom client requirements across the frontend (React, TanStack Query, Redux Toolkit) and backend (Express.js, Socket.io, Prisma).
- Built a scalable Express.js and Prisma backend with Redis (ioredis) caching and Redis-pipelined query batching, containerized with Docker for repeatable deployments and documented via Swagger.
- Used MongoDB with Mongoose to store and search chat messages, and added Redis-based rate limiting on the send-message action to throttle messages per user within a fixed time window.
- Refactored complex React modules around the Context API to improve reusability and rendering performance, using Lighthouse and React Profiler to identify and resolve bottlenecks.
- Hardened reliability with end-to-end coverage (Playwright, mock APIs) and owned post-deployment support, cross-browser fixes, and design iterations.
- Delivered responsive, high-performance interfaces across React/Redux, Angular, and Python, adding production-grade GSAP animation.
- Mentor four junior developers, lead internal frontend training that raised team-wide React proficiency, and collaborate directly with clients during requirement-gathering.
- Use AI development tools (Claude Code, Antigravity) to accelerate feature development, debugging, and code reviews.

Senior Full-Stack Developer

Feb 2021 – Jun 2022

Abchi Technologies Pvt. Ltd.

- Built backend services in Node.js with Express.js and Nest.js for client projects across multiple industries, including e-commerce.
- Developed frontends with React, Redux, and React Router; gained hands-on experience with Next.js and Gatsby.js.
- Designed client-facing UIs with Tailwind CSS, Bootstrap, and Materialize CSS.
- Mentored interns and partnered closely with clients to ensure on-time delivery.

KEY PROJECT

In-House Chat Support System (SendBird Replacement)

React • TypeScript • TanStack Query • Redux Toolkit • Node.js • Express.js • Socket.io • Redis Pub/Sub • Prisma • PostgreSQL • MongoDB • Mongoose • Docker

- Designed a Slack-style internal support platform with real-time messaging, presence indicators, typing events, and channel-based collaboration.
- Implemented a hybrid state model: TanStack Query for server state and Redux Toolkit for real-time socket state.
- Added infinite message history via IntersectionObserver-based pagination and secure auth with HttpOnly cookies and role-based access control.
- Used Redis Pub/Sub for horizontal scalability and Docker for consistent deployments across environments.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python

Frontend: React, Redux Toolkit, TanStack Query, RxJS, Zustand, shadcn/ui, Tailwind CSS, GSAP

Backend: Node.js, Express.js, Nest.js, Socket.io, Prisma, PostgreSQL, MongoDB, Mongoose, Redis (ioredis)

Cloud & DevOps: AWS (EC2, Lambda; pursuing Solutions Architect – Associate), GCP, Docker, CI/CD, Serverless Framework, GitHub/Gerrit

Practices: REST API Design, System Architecture, Real-Time Systems, E2E Testing (Playwright), Performance Optimization

EDUCATION & ACHIEVEMENTS

- **Master of Computer Applications (MCA)** — Brainware University, 2021
- **Bachelor of Computer Applications (BCA)** — Brainware University, 2019
- **Smart India Hackathon 2019** — Software Edition Winner, Ministry of Water Resources