Bhushan Chavan

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Portfolio | LinkedIn | GitHub

SUMMARY

Frontend-focused full-stack engineer with **4+ years** of experience shipping web and desktop apps to **50k+ users**. Work mainly in **React, TypeScript, and Next.js** with Node.js/NestJS on the backend, building responsive, accessible interfaces and the APIs behind them. Have shipped AI features to production, including LLM integrations, embeddings, and semantic search with RAG.

EXPERIENCE

Surfboard Ventures Jan. 2025 – Present
Application Engineer Mumbai, IN

- Build and maintain full-stack applications serving **50k+ active users** on a Node.js + MongoDB backend, with **99.9%** uptime since migrating to AWS
- Split the backend into modular microservices, which made deployments faster and the code easier to maintain
- Ship React + TypeScript frontends built on shared component libraries and REST APIs, tuned for Core Web Vitals and responsive layouts
- Put AI features into production: LLM integrations, embeddings, and semantic search / RAG
- Write unit and end-to-end tests, review pull requests, and release through CI/CD with separate preview and production channels

EDBA Academy Sep. 2023 – Dec. 2024
Full-Stack Developer (MERN) Mumbai, IN

- Built and maintained MERN applications for **300+ active learners** with JWT/OAuth authentication and role-based access control
- Automated certificate generation and validation, which removed the manual processing and **cut operational overhead by ∼90%**
- Developed responsive React interfaces for course content, learner dashboards, and admin panels
- Designed REST APIs and MongoDB schemas for courses, enrollments, and assessments

PROJECTS

Lungoor Notes | *AI Meeting Notes Desktop App* lungoor.ai

- Build the desktop app frontend in **React 19 + TypeScript** on **Electron**: live transcription, AI summaries, action-item to-dos, meeting chat, and note sharing, shipped as versioned macOS releases
- Built reusable, accessible UI components on **Radix UI / shadcn** and **Tailwind CSS** with design tokens and container-query responsive layouts
- Manage server state with **TanStack Query** and routing with **TanStack Router** over REST APIs, with typed, Zod-validated IPC between Electron's main and renderer processes
- Shipped real-time recording: automatic meeting detection, a floating recording widget that hides during screen share, and a required mic/system-audio permissions gate
- Contributed to the **NestJS** backend: OpenAI embeddings in **PostgreSQL + pgvector** for semantic search and RAG Q&A across past meetings

EdQuest | *AI-Powered Gamified Learning Platform* edquest.pro

- Built a gamified learning platform with structured courses and roadmaps, hackathons, quizzes, certifications, and progression systems
- Made the user dashboard highly scalable, with course progress, streaks, and certifications in one view
- Developed career tools: a Career Aptitude Test, a Job Board, and a Buddy Review forum for peer feedback
- Added real-time progress tracking and streak-based rewards that sync with the backend on minimal network usage, which improved user retention

- Worked on SEO, AEO (answer engine optimization), and GEO (generative engine optimization) to improve how the platform appears in search results and AI answers

Contentstack Academy | *Learning & Certification Platform for a Headless CMS* Contentstack Academy

- Full-stack developer on Contentstack's official learning platform, where developers, content editors, and business users learn the CMS through courses, learning paths, videos, and hands-on labs
- Build the course experience learners click through, plus the services behind it: lessons, quizzes, and assessments across product tracks such as Headless CMS, Personalize, Launch, and Agent OS
- Support certification paths such as **CMS Developer** and **CMS Content Manager**, which combine courses, quizzes, and a final assessment
- Work on **AI-assisted search** and an AI assistant across the whole catalog, so learners can find the right lesson quickly

EDUCATION

University of Mumbai Jun. 2019 – May 2023
B.E. Computer Science Engineering, CGPA: 8.05/10 Mumbai, Maharashtra, IN

SKILLS

Languages : JavaScript (ES6+), TypeScript, HTML5, CSS3
Frontend : React, Next.js (SSR/SSG), TanStack Query & Router, Tailwind CSS, Radix UI / shadcn, Electron, responsive & accessible design (WCAG), SEO / AEO / GEO, Core Web Vitals
Backend : Node.js, NestJS, Express, REST API design, BullMQ / Redis, microservices
Databases : MongoDB, PostgreSQL + pgvector (vector search), schema design, query optimization
CMS : Contentstack (headless CMS, Launch)
AI / LLM : OpenAI APIs, embeddings, semantic search / RAG, prompt engineering, real-time speech-to-text (Soniox)
Testing : Vitest, React Testing Library, Playwright (E2E)
Auth & Security : OAuth 2.0, JWT, role-based access control
Tools & DevOps : Git, GitHub, CI/CD, Docker, AWS