

# AVADHOOT SMART

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## SKILLS

**Languages:** TypeScript, JavaScript, Go, C/C++, Python, SQL  
**Frontend:** Next.js, React, HTML, CSS, TailwindCSS, Redux, Zustand  
**Backend:** Node.js, Express.js, Go-Fiber, Redis, WebSockets, PrismaORM  
**Databases:** PostgreSQL, MongoDB  
**DevOps:** AWS (EC2, S3, RDS), Vercel, Netlify, Docker  
**Tools:** Git, Linux, Neovim

## PROJECTS

- DevX – Developer Practice Platform** | Next.js, Go, Docker, PostgreSQL

Source | Live

  - Engineered a high-performance **remote code execution (RCE) engine** using **Docker containers**, ensuring 100% isolation of untrusted user scripts and preventing resource exhaustion.
  - Developed a scalable backend in **Go Fiber**, optimizing submission processing and database transactions with **GORM** to handle concurrent code executions with **<500ms latency**.
  - Architected a complex frontend using **Next.js** and **esbuild-wasm**, enabling real-time in-browser code bundling and reducing server load by offloading compilation to the client side.
- Vybe – Collaborative Music Streaming** | Next.js, Node.js, WebSockets, Go

Source | Live

  - Architected a real-time **WebSocket synchronization engine** to maintain shared playback state across global users, achieving **sub-100ms drift** between host and listeners.
  - Integrated **Spotify OAuth and Web APIs** to facilitate seamless playlist synchronization and session management for concurrent listening rooms.
  - Optimized media delivery by utilizing **yt-dlp** for efficient stream handling, reducing dependency on costly third-party streaming APIs while maintaining high-fidelity audio.
- Projectalyze – AI GitHub Analyzer** | Next.js, TypeScript, Go

Source | Live

  - Developed an automated code audit tool utilizing **Google Gemini LLM**, generating semantic insights and maintainability scores for GitHub repositories via prompt engineering.
  - Engineered an **asynchronous processing pipeline** to fetch and analyze large-scale codebases, providing users with actionable refactoring suggestions within seconds.

## WORK EXPERIENCE

- Software Developer Intern (Frontend)**

Sept 2024 – Feb 2025

Engineer's Cradle

Maharashtra, IN

  - Spearheaded the development of a modular **NPM component library**, scaling to 50+ reusable React components and reducing UI development cycles by **30%** across multiple internal teams.
  - Architected efficient data-caching strategies using **React Query**, optimizing server-state synchronization and achieving a **25% improvement** in page load performance for high-traffic dashboards.
  - Engineered type-safe API integration layers to bridge complex frontend workflows with backend REST services, ensuring **100% state consistency** during concurrent user sessions.
  - Leveraged **Docker** for local development environments, ensuring parity between dev and production stages and streamlining onboarding for new engineers.
  - Tech Stack:** Next.js, React, Zustand, React Query, Storybook, Git, Docker
- Founding Software Engineer (Contract)**

Apr 2025 – Aug 2025

Reachout

Remote, IN

  - Architected a **multi-tenant SaaS infrastructure** from scratch, implementing a scalable database schema in **PostgreSQL** to support isolated data environments for unique user portfolios.
  - Engineered a dynamic **rendering engine** with live preview capabilities and section reordering, utilizing **Next.js Server Components** for optimized SEO and performance.
  - Implemented custom domain and wildcard subdomain routing logic using **AWS Route 53** and Vercel APIs, enabling seamless white-labeling for 50+ active users.
  - Developed a comprehensive analytics engine to track tenant-level engagement, providing users with actionable insights into portfolio traffic and interaction metrics.
  - Tech Stack:** Next.js, Node.js, Express.js, PostgreSQL, AWS, Vercel, Git.

## EDUCATION

**Savitribai Phule Pune University**  
Bachelor of Engineering – Information Technology

Maharashtra, India  
Aug 2022 – Present