# Bhavesh Singh

Mumbai, Parel 400012

🌐 bhaveshsingh.com ✉ bhaveshsinghbiz@gmail.com 💼 LinkedIn  github.com/BhaveshSSingh

## Technical Skills

**Languages:** JavaScript, TypeScript, Python, Java, HTML/CSS, SQL
**Frontend:** React, Redux, Next.js, Material-UI, Webpack, Babel
**Backend:** Node.js, Express, MongoDB, Redis, REST APIs
**Infrastructure & Tools:** Docker, AWS, Git, GitHub, VS Code
**Other:** System Design, Performance Optimization, Scalable Architectures

## Experience

**Schbang Labs**                                                                              **Present**
*Senior Software Engineer (SDE-2) – AI Platforms & RAG Systems*                    *Mumbai, India*

- Designed and implemented scalable RAG infrastructure for SecondBrain supporting heterogeneous data types including documents, multi-page slide decks, and Excel files.
- Improved retrieval faithfulness from 83% to 92% using adaptive chunking strategies (semantic, recursive, and structure-aware chunking) and optimized vector indexing.
- Researched and productionized modern RAG preprocessing pipelines and vector database optimizations to support high-scale AI workloads.
- **Product:** secondbrain.schbanglabs.com
- Owned the end-to-end frontend experience for Brainjump (Expertap), driving UX decisions and Redux-based state architecture for consultant workflows.
- Built backend systems closely modeling consultant personas and expertise-matching logic, enabling more accurate consultant discovery and engagement.
- **Product:** brainjump.co.in
- Led cross-functional collaboration with designers, AI engineers, and stakeholders to ship production-grade AI products.

**Level SuperMind**                                                              **Jul 2023 – Dec 2024**
*Software Engineer*                                                                    *Mumbai, India*

- Rebuilt Level SuperMind website using Next.js, achieving 45% faster load times and a 25% increase in user engagement.
- Managed backend services serving 10K+ daily active users with high availability and performance guarantees.
- Built encrypted journaling feature using AWS KMS, securing 50K+ user entries with enterprise-grade encryption.
- Developed Duolingo-style streak and gamification systems, increasing retention by 35% and DAUs by 40%.
- Improved backend performance by 60% using Redis-based in-memory and global caching (800ms → 320ms).
- Built unified Ads Dashboard optimizing Facebook, Instagram, and Snapchat campaigns managing $100K+ monthly ad spend and improving ROI by 45%.
- Implemented Stripe-based commission and payout system for partner programs, increasing sign-ups by 50%.
- Developed internal CleverTap email platform handling 100K+ monthly emails with 70% faster delivery.
- Built custom user-session tracking tool using rrweb (Microsoft Clarity alternative) for 15K+ monthly sessions.

## Education

**Lokmanya Tilak College of Engineering**                                                **Dec 2022**
*Bachelor of Engineering in Mechanical Engineering — GPA: 8.0*                          *Mumbai, MH*

## Key Achievements

**AI Systems:** Improved RAG retrieval faithfulness from 83% to 92% at scale
**Performance:** Reduced backend latency by 60% using advanced caching strategies
**Growth:** Increased DAUs by 40% and retention by 35% via gamification systems
**Revenue:** Built AI-powered platforms generating $200K+ in first-quarter revenue
**Ownership:** Led architecture and delivery of multiple production AI products