

# KANISHK KHEDKAR

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## Professional Summary

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Backend-focused Full Stack Engineer with 3 years of experience building scalable APIs, distributed systems, and **AI**-powered applications. Proficient in **Node.js, TypeScript, React**, and modern databases, with hands-on experience designing microservices, integrating LLM-based workflows, and deploying cloud-native systems on **AWS** and **GCP** using **Docker** and **CI/CD**. Strong focus on performance, reliability, and shipping production-ready systems in fast-paced environments.

## Experience

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### Square Yards

Mumbai, India

#### Senior Software Engineer

Jan 2026 - Mar 2026

- Built and maintained a Node.js/Express campaign management API with MongoDB, Redis, and Google Cloud Storage, integrating external voice/AI services (SUPERAGENTPRO, BEATS) for create/update/publish flows, file handling, and test calls; documented APIs with OpenAPI and enforced quality with Jest tests.
- Rewrote an AI calling manager from Python to TypeScript/Express with MongoDB, REST APIs for campaign calls and webhooks, and worker jobs for calls, transcripts, and post-call analysis.

### Ariveguru Technology Solutions

Bangalore, India

#### Full Stack Developer

Jul 2025 - Jan 2026

- Architected and developed **AI agent** systems using **Node.js, TypeScript**, and Mastra agentic framework (mastra.ai), enabling intelligent automation and workflow orchestration
- Built scalable backend services with **MongoDB** and **AWS** infrastructure including **EC2, S3, Lambda**, and **VPC** for secure, high-performance agent deployments
- Implemented containerized microservices using **Docker** for consistent development and production environments, ensuring seamless CI/CD integration
- Designed **RESTful APIs** and serverless functions for AI agent communication, orchestration, and data processing workflows

### TalentRupt

Pune, India

#### Full Stack Developer

Jan 2024 - May 2025

- Developed and deployed 5+ full-stack web applications using **MongoDB, Express.js, React**, and **Node.js**, serving 10,000+ active users with 99.5% uptime
- Optimized database queries, reducing API response times by 45% and improving overall application performance
- Built RESTful APIs with comprehensive error handling and validation, processing 50,000+ daily requests with 99.9% success rate
- Integrated third-party services including payment gateways (Stripe/Razorpay) and cloud storage (AWS S3), increasing user conversion rates by 25%

### Vidushi Infotech

Pune, India

#### Frontend Developer

Oct 2020 - Aug 2021

- Developed and maintained **React**-based code for in-house and client websites, reducing bug reports by 20%
- Optimized website performance by 30% and ensured cross-browser compatibility with 98% user satisfaction

## Personal Projects

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### [SwasthaLabs](#) — AI-Powered Fitness Platform

- Architected full-stack SaaS platform using **Next.js 14, TypeScript, Prisma, Supabase (PostgreSQL + Auth + Storage)**, and **Vercel AI SDK** with Gemini 2.5 Flash, featuring custom PDF text extraction pipeline that injects domain knowledge into AI context for generating personalized 7-day Indian diet and workout plans
- Implemented complete business logic including **Razorpay** payment integration with webhook verification, role-based admin dashboard, real-time AI coach chat with streaming, 24-hour cron-based plan unlock system, meal builder with 40+ Indian foods, PDF export, rate limiting, and transactional emails via **Resend**

## Skills

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**Languages:** JavaScript(ES6), Typescript, Python, C/C++

**Tools & Frameworks:** React.js/Next.js, Node.js/Express, TailwindCSS, AWS, Docker, Redis, Vercel, Jenkins, Git

**Database Systems:** MySQL, MongoDB, PostgreSQL, Firebase

## Education

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New Jersey Institute of Technology

Newark, NJ

Master of Science in Computer Science | GPA: 3.8 / 4.0

Sep 2021 - May 2023