MANAV JAIN

Tech Lead · Backend Platforms · Production AI · Team Building

CONTACT

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SKILLS

LANGUAGES

Ruby · TypeScript · JavaScript · Java · SQL

BACKEND

Rails · Node/Express · REST · GraphQL

FRONTEND

React · React Native · Next.js · Angular

DATA

PostgreSQL · MySQL · TimescaleDB · MongoDB · Redis · Kafka

AI / LLM

AWS Bedrock · LLM orchestration & eval · token-cost engineering · MCP

INFRA

AWS · Kubernetes · Sidekiq · CI/CD · on-call

EDUCATION

B.Tech., Computer Science

GGSIPU, New Delhi · 2019

HIGHLIGHTS

- **658** merged PRs across 3 codebases in 15 months
- **80M+** health signals ingested by platforms built end-to-end
- **80** languages localized by a self-built AI pipeline
- **7M+** firmware updates delivered by a rollout system
- Teams led: **4 · 5 · 6**; mentor since 2017

Full-stack engineer with **7+ years** across health-tech, ed-tech, and gov-tech. I build backend platforms at scale, run LLM systems in production with owned SLAs, and grow the teams that operate them. 658 merged pull requests across three production codebases in 15 months at Ultrahuman; previously led growth engineering at Coding Ninjas through a 50-to-300-person scale-up.

EXPERIENCE

Ultrahuman

Apr 2025 – Present

Tech Lead

- Shipped **658 merged PRs** across three production codebases in 15 months; **#1 contributor of 19** engineers on the internal operations platform.
- Engineered a streaming health-data platform (Kafka → sharded TimescaleDB, dual MongoDB) processing **80M+ data points** across 16 metric families for 12,900+ users, with sleep-scoring parity to the Ring.
- Designed and operated production **LLM systems on AWS Bedrock** whose output clinicians rely on daily: cut end-to-end generation time ~9×, raised automated quality-correction from zero to the majority of flagged cases, reduced repair-path token cost up to 95%.
- Founded the **Performance Center** module of the clinic-operations platform (bookings, check-in, on-site hardware, mobile PWA); **18 engineers now build on it**.
- Built an AI translation pipeline localizing the product into **80 languages / 1M+ strings** without a localisation team.
- Built a cohort firmware rollout system delivering **7M+ OTA updates** to smart rings; integrated Tesla fleet telemetry behind 129K detected drives.
- Hardened security & reliability: fixed BOLA/IDOR vulnerabilities, de-identified PII exports, scaled Kafka/Sidekiq infra after saturation incidents.

Coding Ninjas

Nov 2020 – Apr 2025

Software Development Engineer 3 · Growth Team Lead

- Led growth engineering: conversion, attribution, checkout, and third-party revenue integrations (Leadsquared, payment gateways, CAPI).
- **Managed a team of 4** building the Code360 React Native app end to end; scaled the web platform from **50K to 2M sessions**.
- Built a fault-tolerant CRM lead bridge adopted company-wide and an immutable order ledger critical during audits; ran the bug bounty program.
- Designed a custom A/B testing & rollout framework for controlled internal rollouts and public releases.

Mahakavach · Govt. of Maharashtra (MSINS)

Mar 2020 – Oct 2020

Backend Lead

- Led a remote volunteer **team of 5** building the state COVID-19 tracking backend: **1.8M users, 4M requests/month** (Express.js, MongoDB). Covered by Twitter, News18, The Hindu.

Digital Impact Square, TCS

Jan 2019 – Jan 2020

Innovator

- Led a **team of 6** on a road-safety platform with a **patent-pending** hardware device detecting tilt, speed, and riding behavior.

Google Summer of Code · The Processing Foundation

2018

- Developed an open-source debugger in Java for the p5.js Android compiler. Later mentored students in **Google Code-In** (FOSSASIA).