

Tanuj Mehta

Senior Software Engineer

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Backend engineer with **5+ years** building event-driven architectures, low-latency microservices, and high-throughput APIs on AWS (scaled to 100K+ TPS). Ships full products end-to-end. Experienced across FinTech and HealthTech.

PROJECTS

DevInterviewMaster [↗ devinterviewmaster.com](#)

Rust, Actix-web, SQLx, PostgreSQL, Redis, JWT, React

Rust/Actix-web API serving **10,000+ questions at 5K+ RPS** with sub-10ms p99 latency (async SQLx, JWT, Redis). LLM-driven content generation pipeline.

ArchitechIQ [↗ architechiq.com](#)

Next.js (API routes), Supabase, LLM API, Judge0, Razorpay

Next.js API over **Supabase** with a **Judge0** code-execution shell, **Razorpay** webhook billing, and an LLM voice tutor.

VidyaArena [↗ vidyaarena.org](#)

Spring Boot (Java), PostgreSQL, React (Vite), JWT, Docker

Spring Boot API for a **K-12 EdTech** platform: gamified quiz arenas, **JWT** role-based auth, and a **React (Vite)** client in a **git-submodule** monorepo.

ResumeBanao [↗ resumebanao.com](#)

Next.js (API routes), Prisma, PostgreSQL, NextAuth, Puppeteer, LLM API

Resume-builder backend on **Prisma/Postgres** with **NextAuth** OAuth, a **Puppeteer** PDF service, and an LLM ATS-scoring engine that returns section-level feedback.

JobPortal (Auto-Apply) [↗ jobs.mehtasystems.dev](#)

Node.js, Playwright, LLM API, Queue workers, Fly.io

Fly.io automation service: **Playwright** workers auto-apply across job boards, an **LLM** layer ranks roles, with queue orchestration and status tracking.

EXPERIENCE

Senior Software Engineer

Kellton

Jul 2025 - Present
Gurugram

- Built a production **ETL** system integrating **SQL Server**, **PostgreSQL** APIs, and **SFTP** to process thousands of HR records/day with automated scheduling, encryption, and smart error handling.
- Developed an **AI voice assistant (Gemini 2.0 + offline LLM)** with hands-free dashboard control at **90%+ accuracy**. Designed offline-first architecture reducing cloud costs by **60%**.
- Implemented a **natural-language search** engine converting voice commands into database queries, supporting **50+** query types.
- Built a real-time monitoring dashboard with interactive filters, **25+** custom error types, email alerts, and recovery tools, cutting troubleshooting time by **70%**. Maintained **99.9%** uptime.

Software Engineer

Webcubator Technologies

Jun 2023 - Jun 2025
Remote, India

- Patient Health Platform with AI Assistant (Healthcare): Deployed high-performance **FastAPI** apps, integrated **EPIC FHIR R4** APIs, built **NLP** chatbot (**95%+ intent accuracy**), and designed **AWS Lambda** pipelines processing **10K+** monthly events.
- Rocco, Lending & Payments Platform (Fintech): Integrated multiple payment gateways, developed loan-qualification APIs, built **Rust** and **Python** debit-collection system, launched subscription features increasing revenue by **30%**.
- Health Data Aggregation Service (Healthcare): Unified fitness data streams (**50K+** records/day), built dashboards improving engagement by **40%**, secured user docs in encrypted **S3** with automated PDF delivery.

Software Engineer

Crest Data Systems

Aug 2021 - May 2023
Pune, India

- Automated end-to-end **Jira** and **Bitbucket** ticket workflows using **REST APIs**, reducing manual effort by **60%** and accelerating change tracking across engineering teams.
- Built a **Python FastAPI** service to orchestrate the full VM lifecycle for **50+ vSphere** instances, cutting provisioning time by **80%** and enabling audit-compliant infrastructure operations.
- Designed reusable workflows for code repository setup and **Jira** dashboard generation, slashing developer onboarding time by **30%**.

EDUCATION

Bachelor of Engineering

D.Y. Patil College of Engineering

Jul 2018 - Jun 2022

SKILLS

Python

Rust

JavaScript

C++

FastAPI

Flask

Express.js

Django

React

AWS (Lambda, S3, RDS, VPC, IAM)

Docker

RabbitMQ

GitHub Actions

PostgreSQL

MySQL

MongoDB

Redis

System Design

Microservices

Data Structures

Algorithms

LLM Integration

AI Agents

KEY ACHIEVEMENTS

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CAP Distinction – Crest Data Systems (2022)

Recognized among top 5% of interns for technical excellence and delivery in backend automation projects.

★

Runner-Up – GitHub Hackathon, The Code Geek Fest (2022)

Placed in top 2 out of 150+ teams for developing a real-time code collaboration platform in under 48 hours.

★

Global Rank 2253 – Google Hash Code 2021

Competed among 100K+ participants in Google's global algorithmic coding competition.

★

Tech Community Leader – D.Y.Patil College (2019–2022)

Organized 5+ coding contests and technical workshops, engaging 400+ students and growing club participation by 60%.

FIND ME ONLINE

Portfolio

tanuj.mehtasystems.dev

LinkedIn

linkedin.com/in/mehta-tanuj

GitHub

github.com/mehtatanuj

LeetCode

leetcode.com/Tanujmehta

HackerRank

hackerrank.com/tanujmehta2901

CodeChef

codechef.com/users/tanujmehta

GeeksforGeeks

geeksforgeeks.org/user/mehta_tanuj