

YOGESH CHAUHAN

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Summary

Software engineer who designs and ships multi-tenant systems end-to-end, with a bias toward correctness under failure — pushing invariants into the data model, enforcing isolation at the query layer, and degrading gracefully instead of breaking. Have built production-shaped platforms in **both Java/Spring Boot and Node/TypeScript**, with measurable production impact: documented code quality **4.5→8.6/10** and **76% lower auth latency** on an enterprise SaaS.

Experience

WorkCompanion LLP

Oct 2024 – Present

Software Engineer

Gurugram, Haryana

- #1 contributor on a multi-tenant Performance Management SaaS, shipping end-to-end from data models to REST APIs to three portals (~**1,500 commits across 3 repositories**).
- Led a backend optimization program raising code quality **4.5→8.6/10** with ~**4–5× throughput**: cut auth latency **76%** (**145→35ms**) via caching, fixed an N+1 bottleneck (**2.5s→300ms**), and added **44 database indexes**.
- Re-architected the backend into a clean layered design with **26 services** and shared business modules, improving multi-tenant reliability, transaction safety, and observability.
- Delivered core modules end-to-end — Appraisal Cycle Engine, 360° Feedback, RBAC, Timeline Engine, Notifications, Excel Import/Export — plus an **OpenAI GPT-4.1-mini** question generator accepting prompt and document (PDF/DOCX/CSV) inputs.

Agami Technologies

June 2024 – Oct 2024

Software Specialist

Greater Noida, Uttar Pradesh

- Delivered **7+ core features** and **24+ system improvements** across a full-stack platform with real-time Socket.io features; resolved **398+ bugs** alongside QA and product.
- Integrated **OpenAI** into the **BeGenieus** platform: GPT chat, image generation, and AI features across multiple modules.

Projects

ClaimLens — multi-tenant insurance claims SaaS | *Java 21, Spring Boot, PostgreSQL, Python/FastAPI* [Live](#) | [Code](#)

- Made tenant isolation impossible to forget by enforcing it at the query layer (**Hibernate @TenantId**); a cross-tenant read returns **404**, **not 403**, so record existence never leaks. Permission-based RBAC resolves per-request from the database.
- Built an **explainable** fraud engine that keeps a per-rule breakdown behind every score, fed by OCR and image forensics — because an automated decision a regulator can question must be able to justify itself.
- Covered by **92 integration tests** against real PostgreSQL, plus a 240-check sweep verifying every role's permissions.

EcoExpress — e-commerce platform | *Java 21, Spring Boot, PostgreSQL, Razorpay*

[Live](#) | [Code](#)

- Pushed correctness into the database so an application bug cannot corrupt money or stock — **11 invariants** enforced by **120+ constraints** across a **60+ table** schema, making overselling and double-charging structurally impossible.
- Structured it as an **11-module modular monolith** (modules call each other's services, never each other's tables); payments advance state only on **HMAC-verified webhooks**.

Candor — AI-coached feedback platform | *Node/TypeScript, MongoDB, Redis, Gemini*

[Live](#) | [Code](#)

- Designed an **idempotent, append-only credit ledger** with a uniqueness constraint so retries and races can never double-award or double-spend; AI moderation **fails open** to protect availability.
- Real-time inbox over **Server-Sent Events** backed by MongoDB change streams, with per-user quotas, server-side rate limiting, and CI (Vitest, Playwright, GitHub Actions).

Technical Skills

Architecture: Domain-driven & layered design, modular monolith, multi-tenancy, REST API design, caching, rate limiting, graceful degradation

Languages: Java, TypeScript, JavaScript, SQL

Frameworks: Spring Boot, Spring Security, Spring Data JPA / Hibernate, Node.js, Express.js, Hono, Next.js, React

Data: PostgreSQL, MongoDB, MySQL, Redis, Flyway, Prisma, pgvector

Security: JWT, RBAC, tenant isolation, refresh-token rotation, input validation, XSS/CORS hardening

AI: Google Gemini, OpenAI (GPT), RAG, OCR / Vision

Practices: JUnit, Vitest, Playwright, GitHub Actions (CI/CD), Docker, Git

Education

Ganga Institute of Technology & Management (GITAM)

Aug. 2021 – Aug. 2024

Bachelor of Technology (B.Tech), Mechanical Engineering

Jhajjar, Haryana