

Yash Yadav

Senior Backend Engineer

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Summary

Backend engineer who owns systems end-to-end. Architected and shipped TestGorilla's largest workflow refactor, the self-serve assessment flow, with zero added complexity for other teams. Scaled it to 52K+ candidates at a 78% completion rate. 7+ years turning ambiguous, high-stakes problems into shipped, low-maintenance systems.

Skills

Languages & Frameworks: Python (Django), TypeScript, C/C++, C#, SQL

Systems & Infra: AWS, MySQL, PostgreSQL, Redis, Docker, CI/CD

AI Systems: OpenAI API, LangChain, RAG, Vector Embeddings

Experience

Senior Backend Engineer – TestGorilla

Remote | October 2022 – August 2026

Stack: Python, Django, MySQL, Redis, AWS

- Designed and shipped the self-serve assessment flow, TestGorilla's largest workflow refactor, shifting the platform from customer-initiated (B2B) to candidate-initiated (B2C). Built it to deploy with **zero changes required from any other team**, scaling to **52K+ candidates** with near-zero post-launch defects.
- Led the technical design for third-party candidate-data integration across **3 collaborating teams**, aligning implementation choices so no team had to compromise on its own code quality or design.
- Extended Django's account-state model to support graduated soft/hard-blocking for fraud and sanctions-flagged accounts, now adopted across multiple teams, and closed a loophole in the ID verification flow before it could be exploited.
- Own a core backend system processing **30M+ requests/month**, maintaining a **<0.1% error rate** and **p95 latency under 150ms** with near-zero on-call burden.
- Shipped localization across multiple languages, including a headless-Chrome rendering fix that unblocked several teams stuck on font and PDF-generation issues.

Software Engineer – Digital Guardian

Remote (Hyderabad, India) | March 2021 – September 2022

Stack: C/C++, FreeBSD, Linux

- Sole owner of a pre-boot, driver-level component on the Windows client that loads before the OS itself, and the sole point of contact for it among senior engineers.
- Moved SDK systems engineering from Linux to FreeBSD, fixing memory leaks and boosting **performance by 70%** through optimized compiler configurations.
- Built a performance profiling library for production code that led to a **54% throughput increase**.

Software Engineer – MAQ Software

Mumbai, India | April 2019 – March 2021

Projects

INR Finance Compass (WIP) — Vite, React, TypeScript, Supabase, Tailwind

- Solo-designing and building a self-hosted, AI-native personal finance platform with full financial context (bank, cards, cash, investments) instead of isolated balance queries.
- Built an atomic ledger-derived balance engine with a live dashboard; budgeting, CSV import, and recurring transactions in progress.

Education

B.Tech in Computer Science | CGPA: 8.69

Lovely Professional University, Punjab, India | 2015 – 2019

Achievements / Highlights

- Winner, TestGorilla Company-wide Ideathon (Croatia, 2024)
- Solo-built a working ATS demo integrated with the existing TestGorilla app in a 2-day company-wide hackathon (2026)