Yash Yadav

Senior Backend Engineer

India | yashyadav.710@outlook.com | +91-81042 71666 | linkedin.com/in/ohyash/ | ohya.sh/

Summary

Senior Backend Engineer with 7+ years of experience specializing in high-performance distributed systems, systems-level optimization, and scalable backend architecture. Expert in Python, Django, and AWS, with a proven track record of leading cross-functional initiatives and mentoring engineering teams.

Experience

Senior Backend Engineer – TestGorilla

Remote | October 2022 – Present

- *System Architecture*: Spearheaded the research and architectural design for a global **ID Verification system**, prioritizing future-proof scalability for assessment integrity and identifying critical security vulnerabilities during the design phase.
- *Reliability Engineering*: Architected a high-complexity assessment framework that maintained **99.9% stability and zero support tickets** over a 10-month production period.
- *Engineering Leadership*: Recognized company-wide in the "Engineering Excellence" guide for high-impact code reviews; formalized release management protocols and mentored 3+ engineers to full operational autonomy.
- *Strategic Implementation*: Designed custom **User Cohorts using Flagsmith** to facilitate sophisticated A/B testing and feature-flagged rollouts for data-driven product decisions.
- *Performance & Infrastructure*: Resolved complex infrastructure-level bottlenecks involving headless-chrome and font rendering in Ubuntu **containers**, restoring core functionality for the Japanese market.

Software Engineer – Digital Guardian

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

- Built a proprietary performance profiling library for production runtime products, resulting in a **54% performance improvement**.
- Owned the technical migration of the SDK from Linux to **FreeBSD**; identified and resolved deep memory management issues, enabling compiler optimizations that delivered a **70% performance boost**.
- Led maintenance of the Windows Agent, managing complex bug fixes and cross-OS synchronization.

Software Engineer – MAQ Software

Mumbai, India | April 2019 – March 2021

- Contributed to breaking down a monolithic backend into a microservices-based, Azure-native architecture, improving deployment independence and system scalability
- Designed and improved CI/CD pipelines for web applications and NuGet packages, enabling reliable, repeatable deployments and faster release cycles

Additional work experience available at ohya.sh/work/

Projects

AI-Powered Mental Health Platform

- Built backend systems for a multi-role (Patient, Therapist, Admin) healthcare platform with role-based access control and auditability
- Designed workflows aligned with HIPAA compliance principles, integrating OpenAI APIs and secure data handling via Supabase

Additional projects available at ohya.sh/projects/

Skills

Languages & Frameworks: Python, TypeScript, C#, SQL, Django, ASP.NET, Node.js
Systems & Infra: AWS, Docker, CI/CD, PostgreSQL, Redis
AI Systems: RAG, LangChain, Vector Embeddings, OpenAI API

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)
- Recognized internally for engineering judgment and PR review quality