Yash Yadav

Senior Backend Engineer
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Summary

Senior Backend Engineer with 7+ years building scalable, performance-critical systems across SaaS and security domains. Strong in Python, Django, and systems optimization. Remote-first, product-aware.

Experience

Senior Backend Engineer – TestGorilla

Remote (Delhi, India) | October 2022 – Present

- Architected high-complexity assessment system achieving zero support tickets and 99% stability over 10 months
- Unified two disparate applications via "minimum-intrusiveness" framework, avoiding rewrites and saving months of effort
- Laid out company's initial i18n support, restoring core revenue feature by resolving containerization and font rendering issues
- Formalized release management processes and mentored 3+ engineers to autonomy; established PR standards adopted company-wide

Software Engineer – Digital Guardian

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

- Built a performance profiling library integrated into runtime products, identifying and achieving a 54% performance boost in production systems
- Led the SDK port from Linux to FreeBSD, including ownership of Windows Agent maintenance, bug fixes, and feature enhancements
- Resolved critical memory issues in the FreeBSD port, enabling compiler optimizations that delivered up to 70% performance improvement

Software Engineer – MAQ Software

Mumbai, India | April 2019 – March 2021

- Developed backend services for a microservices-based web application using Azure cloud-native technologies
- Contributed to backend development for Microsoft's learning platform modularization initiative, supporting a rebuild-from-scratch architecture

Additional work experience available at ohya.sh/work/

Projects

AI-Powered Mental Health Platform

- Built backend for AI-assisted mental health platform serving hospitals and therapists with multi-role portals (Patient, Therapist, Admin) and role-based access control
- Designed with HIPAA compliance principles.
- Integrated OpenAI API with Supabase for secure therapeutic workflow automation, maintaining strict patient data privacy standards

Additional projects available at ohya.sh/projects/

Skills

Languages: Python, TypeScript, C#, SQL
Frameworks / Libraries: Django, LangChain, Node.js, .NET/ASP.NET
AI / ML Systems: RAG (Retrieval-Augmented Generation), LangChain, Vector Embeddings, Prompt Engineering, OpenAI API
Cloud / Infra / Tools: AWS, Docker, Git, OpenAI API, Supabase, NoSQL, CI/CD, PostgreSQL, Redis

Education

B.Tech in Computer Science | CGPA: 8.69
Lovely Professional University, Punjab, India | 2015 – 2019

Achievements / Highlights

- TestGorilla Ideathon Winner – Led winning team with most innovative solution at annual company meetup (Croatia, September 2024)