

Deepak Singh

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LinkedIn | GitHub | LeetCode | Codeforces

Summary

Backend Engineer with strong experience building and running production systems in startup environments. Hands-on with backend architecture, CI CD pipelines, containerized deployments, and scalable APIs. Comfortable owning features end to end and supporting real users under live traffic.

Technical Skills

Languages: JavaScript, TypeScript, Python, C++

Backend: Node.js, Express.js, Fastify, REST APIs

Cloud and DevOps: Docker, Kubernetes, GitLab CI CD, AWS EC2, Google Cloud Run

Databases: PostgreSQL, MongoDB, Redis

Observability and Performance: Prometheus, Grafana, ELK stack, k6 load testing

AI Integrations: OpenAI APIs, semantic caching, agent based workflows

Experience

Kilobyte Technologies

Backend Engineer (Remote)

Jul 2025 – Present

- Architected and developed the complete backend for an on-demand ironing and quick commerce service.
- Designed order lifecycle, inventory management, delivery assignment, and real-time status updates.
- Implemented full CI CD using GitLab CI, containerized services with Docker, and deployed using Kubernetes on AWS EC2.
- Configured rolling deployments, health checks, and automated recovery to ensure production stability.
- Built and scaled the Nasvi Street Food Festival Delhi booking platform, serving over **30,000 users** during peak traffic.
- Implemented Redis based semantic caching for LLM responses, reducing API costs by **30 percent**.
- Performed load testing using k6 and improved monitoring using Prometheus and Grafana.

Selected Projects

Veris — AI Powered Fact Checking Platform

Live | GitHub

2024

- Built a real-time AI fact checking platform with confidence scores and source citations.
- Implemented a multi agent verification system using OpenAI and Gemini models.

Pungda — AI Powered Farming Assistant

GitHub

2024

- Built an AI assistant for crop suitability and yield prediction.
- Trained models on over **50,000 data points** using satellite and climate datasets.

Open Source

stdlib-js / stdlib

2025

- Contributed bug fixes and improved test coverage for production JavaScript utilities.

Achievements

- Solved **150 plus** DSA problems on LeetCode and Codeforces.
- Hack4Purpose Hackathon 2024 — Top 4 All India.
- TiDB Future App Hackathon 2023 — Best Idea Award Finalist.