Bhavesh Verma

✉ bhaveshverma2077@gmail.com ☐ +91 9793059277 in in/bhaveshverma1

EXPERIENCE

Software Engineer / Platform Engineer (Remote)

Sound of Meme – Music Generation Platform (like Suno, Udio)   October 2024 - Present，Los Angeles, CA

- **Led the scaling of core platform infrastructure**, enabling the system to reliably handle **800K+ AI-generated songs** per day during traffic spikes and viral events, improving **peak-load stability by 40%**.
- **Re-architected the backend** from a monolithic codebase to a **distributed worker-based architecture**, increasing parallel processing **throughput by 3×** and improving system **fault tolerance by 50%**.
- **Built and maintained media-integration pipelines** with platforms like **YouTube**, enabling users to generate music from extracted audio and supporting **10,000+ media ingestion requests daily**.
- **Developed an AWS Lambda image-processing service** that dynamically adjusts resolution and quality via URL parameters, integrated with **CloudFront caching**, reducing global image **load latency by 35%**.
- **Migrated the song leaderboard system** from complex Postgres read/write queries to an **event-driven architecture using Apache Kafka, an aggregation service, and Redis**, reducing leaderboard **query latency by 70%** and improving system scalability and **write throughput by 3×**.
- **Provided cross-functional support in frontend development** during capacity gaps, helping maintain feature velocity and reducing **delivery delays by 20%**.

Software Engineer Intern

Ekalakaar   August 2023 - October 2023，Mumbai, India

- **Decoupled image processing tasks** using AWS SQS workers, resulting in a **40% reduction in server load**, thereby decreasing **latency by 30%**.
- **Implemented Redis caching for hot queries,** reducing **access time by over 90%** and significantly improving user experience.

PROJECT

Movies App

movies-app-client-psi.vercel.app/

- **Developed a movie and TV show discovery app** that lets users search content across platforms like Netflix and HBO Max, solving the lack of a unified browsing experience.
- Built full-stack features as a solo developer, focusing on clean UI, scalable state management, and type-safe development using modern frontend and backend technologies.

Portfolio

portfolio-2vug.vercel.app/

- This **portfolio website**, built with React.js, Next.js, and Tailwind CSS, offers a straightforward design with three main pages. The About page provides insights into my background, while the Projects section showcases my past work. Lastly, the Skills page details the areas in which I excel.

EDUCATION

Bachelor of technology in computer science and engineering

Bundelkhand University • Jhansi, India • 2024

SKILLS

Programming Languages: Python, JavaScript, TypeScript, Dart

Web Development: HTML, CSS, React, Tailwind, Next.js, Node.js, Express.js, Sockets, WebRTC, Redux, GraphQL, Apollo GraphQL, Shadcn UI

Database Management: PostgreSQL, MongoDB, Redis

AI: Open AI APIs, Google Gemini APIs, Langchain, Langgraph

Automation: Beautiful Soup, Playwright, API Automation

Tools and Technologies: Git, Linux, Bash, Docker, AWS, Apache Kafka