

# Bhavesh Verma

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## 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 handle **millions of AI-generated songs** during traffic spikes and viral events.
- **Migrated infrastructure from EC2 to Kubernetes (Amazon EKS)**, improving deployment agility, resource utilization, and scalability.
- Re-architected backend from a **monolithic, tightly-coupled system** to a **distributed worker-based architecture**, significantly increasing fault tolerance and parallel processing capabilities.
- Built and maintained **integration pipelines with external platforms like YouTube**, allowing users to generate music inspired by audio extracted from video content.
- Stepped in to help with **frontend** development when the regular frontend engineer wasn't available.

### Full Stack Developer ( Remote )

Persist Ventures

October 2024 - Present

- Collaborated with Persist Ventures through one of their supported ventures, Sound of Meme.

### Software Engineer Intern

Ekalakaar

August 2023 - October 2023, Mumbai, India

- **Decoupled image processing tasks** using Amazon 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/](https://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/](https://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