

Shivam Dewangan *Full Stack Engineer*

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SUMMARY

High-impact Engineer with a proven track record of scaling platforms from zero to production. Expert in architecting cloud-native backends and data platforms handling 10M+ records with sub-2s latency. Transitioned from a new hire to a Technical Lead within 12 months, currently managing a team of 3 and overseeing mission-critical AWS infrastructure.

EXPERIENCE

Collective Artists Network

Full Stack Engineer

Sep 2024 – Present

Bangalore, India

- **Engineering Leadership:** Spearhead the core engineering team; managing 3 direct reports, distributing workloads, and providing high-level technical mentorship to maintain rapid delivery cycles.
- **Talent Acquisition:** Scaled the department by conducting 20+ technical interviews over 8 months, directly responsible for hiring and onboarding the current engineering pod.
- **Infrastructure Ownership:** Entrusted with root-level administrative access to all production AWS accounts, maintaining 24/7 uptime for EKS-based microservices and S3-based data lakes.
- **Data Platform Architecture:** Designed an automated data lake and ELT pipeline using Dagster to aggregate multi-source creator data (>10M records) with optimized API response times (0.5-2s).
- **Strategic FinOps:** Achieved significant overhead reduction by migrating mobile CI/CD to self-hosted GitHub runners and implementing AWS Reserved Instances.
- **End-to-End Product Ownership:** Developed three core platforms from scratch, including an executive BI dashboard, consumer onboarding/payment flows, and automated mobile deployment pipelines.

Terribly Tiny Tales

Software Engineering Intern

Dec 2023 – Aug 2024

Remote

- **Acquisition Growth:** Retained through the acquisition based on high-impact contributions to the core TTT Community product suite.
- **Greenfield Admin Panel:** Built a centralized moderation dashboard from scratch, enabling real-time user management and content analytics for the TTT Community app.
- **Modern Web Stack:** Launched the use of Next.js for SEO and performance optimization across Your Forevers and Mini Mindful Moments, establishing the company's current frontend standard.

EDUCATION

B.Tech in Computer Science (Full Stack Development)

Lovely Professional University [ℹ](#)

Graduated May 2024 with CGPA: 7.4/10

Sep 2020 – May 2024

Punjab, India

SKILLS

Programming Languages

Python, TypeScript, JavaScript, Node.js.

Frameworks & Libraries

FastAPI, Django, Express, Deno, Bun.

Frontend & UI

Next.js, React, React Native, Tailwind CSS, Astro.

Data Engineering

Dagster (Orchestration), ETL/ELT Pipelines, Celery, PostgreSQL, MongoDB.

Cloud & DevOps

AWS (EKS, S3, Athena, Lambda, EC2), Docker, Kubernetes, Jenkins, GitHub Actions.

Leadership

Technical Interviewing (20+), Team Management, CI/CD Optimization, FinOps.

Projects

Webhooks - WebHook Inspector & Debugger

Next.js, Deno, PostgreSQL, WebSockets

Dec 2025 – Jan 2026

- **Problem:** Identified a lack of reliable, high-speed internal tools for testing asynchronous API callbacks and webhook payloads during production development.
- **Solution:** Engineered a custom real-time inspection platform that captures incoming HTTP POST requests and broadcasts payloads to a frontend dashboard via **WebSockets** for instant debugging.
- **Architecture:** Utilized a **Deno** edge-runtime for low-latency request handling and **PostgreSQL** for persistent logging of historical payload data.

Code Play - Real-time Online IDE

React.js, Firebase, React Router

Aug 2025 – Oct 2025

- **Functionality:** Developed a browser-based development environment that allows users to write and preview HTML, CSS, and JavaScript with live, side-by-side rendering.
- **State Management:** Implemented complex state synchronization to ensure the code editor and the preview iframe remain perfectly in sync without performance degradation.
- **Persistence:** Integrated **Firebase** for real-time data persistence, allowing users to save, share, and fork code snippets instantly.