

# Shivam Dewangan *Full Stack Engineer*

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## SUMMARY

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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

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### 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

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### B.Tech in Computer Science (Full Stack Development)

[Lovely Professional University](#) 

Graduated May 2024 with CGPA: 7.4/10

Sep 2020 – May 2024

Punjab, India

## SKILLS

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### 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

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### Webhooks - WebHook Inspector & Debugger

Dec 2025 – Jan 2026

*Next.js, Deno, PostgreSQL, WebSockets*

- **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

Aug 2025 – Oct 2025

*React.js, Firebase, React Router*

- **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.