

Shivam Dewangan

Full Stack Engineer (Backend)

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SUMMARY

Full Stack Engineer specializing in **backend systems**, **cloud infrastructure**, and **data platforms**. Experienced building **scalable services**, **ETL pipelines**, and Kubernetes-based deployments on **AWS**. Passionate about designing reliable distributed systems with a focus on **performance**, **automation**, and **developer productivity**.

SKILLS

Programming Languages Node.js, TypeScript, JavaScript, Python, SQL.	Frameworks & Libraries Express, FastAPI, Django, Deno, Bun.
Frontend & UI React, Next.js, React Native, Tailwind CSS, Flutter.	Data Engineering PostgreSQL, MongoDB, Dagster, ETL/ELT Pipelines.
Cloud & DevOps AWS (EKS, S3, Athena, EC2), Docker, GitHub Actions.	AI-Assisted Development Claude, Copilot, GPT, Cursor, Antigravity, Warp.

EXPERIENCE

Full Stack Engineer Collective Artists Network Data Architecture & Analytics - Built an in-house data aggregation platform using Dagster and dlt, replacing third-party tools while managing a 3TB+ S3 data lake with 20GB+ daily ingestion. - Unlocked real-time dashboards and prevented main DB bottlenecks by migrating complex analytical queries from AWS Athena to StarRocks, slashing latency from ~4 minutes to sub-milliseconds. - Preserved core application performance by implementing a hybrid StarRocks schema, aggressively offloading heavy data payloads to S3 while keeping relational keys lightweight. Distributed Systems & Cost Optimization - Slashed third-party API fees and compute costs by 50% by engineering Kubernetes pod checkpointing, allowing failed ingestion jobs to resume from the exact point of failure without re-fetching data. - Ensured zero-downtime API availability for internal teams during peak traffic by deploying the data serving layer via FastAPI with highly tuned horizontal and vertical K8s auto-scaling. DevOps & CI/CD Automation - Accelerated mobile release velocity and reduced QA bug-discovery time by automating the entire Bruised Passports app release cycle (QA, TestFlight, Production), effortlessly handling up to 8 parallel builds daily. - Significantly reduced monthly CI/CD cloud expenditure by architecting a transition from managed build services to self-hosted GitHub runners and utilizing AWS Reserved Instances.	Sep 2024 – Apr 2026 Bangalore, India
Software Engineering Intern Terribly Tiny Tales Full Stack Internal Tooling: Eliminated 15+ hours of manual weekly reporting by building a centralized Next.js and Node.js portal that automatically aggregated Zoho CRM and Google Sheets data for executive revenue tracking. Payment Infrastructure: Integrated Razorpay and Cashfree webhook handlers into the backend to automate payment and subscription lifecycles, securely processing seamless transactions for an active user base of 5,000+ TTT Academy students.	Dec 2023 – Aug 2024 Remote

PROJECTS

[Phuzle Messages](#)

Jul 2026 – Present

Kotlin, Claude, Antigravity

- Built a privacy-first, local-processing mobile application using **Kotlin and Jetpack Compose** to automatically categorize messages, extract OTPs, and track financial transactions.
- Leveraged **AI agentic development workflows** to rapidly orchestrate, refactor, and deploy the end-to-end application architecture, demonstrating advanced AI-assisted engineering capabilities.
- Integrated **Firebase Cloud Messaging and Crashlytics** for real-time telemetry, while maintaining a strict local-first data architecture with optional encrypted cloud backups.

[Phuzle Webhooks](#)

Dec 2025 – Mar 2026

React, Next.js, Node.js, TypeScript

- Built a robust **Node.js handling layer** to efficiently process and route **asynchronous webhook events** to the frontend UI for live developer feedback.
- Optimized full-stack data flow with **TypeScript**, ensuring **type-safe event handling** and minimal latency between the Node.js ingestion endpoint and the React client.
- Developed a real-time webhook inspection platform using Next.js and React to instantly capture, analyze, and visualize incoming HTTP request payloads.

[CodePlay](#)

Jun 2026 – Jul 2026

Next.js 16, React 19, TypeScript, Node.js, Tailwind CSS,

PocketBase

- Engineered backend integration using **Node.js server actions and PocketBase** for secure authentication, persistent document storage, and community content sharing.
- Developed custom data layers integrating **Zod for strict data validation** and Yjs for collaborative, shared state capabilities.
- Implemented a Monaco-powered in-browser editor supporting multi-language compilation featuring a split-pane live preview and responsive layout architecture.

[Portfolio Ecosystem](#)

Aug 2025 – Apr 2026

Next.js, React, TypeScript, PocketBase

- Implemented **secure user account management and authentication flows**, allowing for personalized profile configurations and custom dashboard interactions.
- Engineered a flexible, data-driven architecture using **TypeScript** to seamlessly render dynamic project showcases with strong SEO performance.

EDUCATION

B.Tech in Computer Science (Full Stack Development)

Lovely Professional University - Graduated with CGPA: 7.4/10

Sep 2020 – May 2024

Punjab, India