

DHRUV RAJ SINGH

Pune, Maharashtra | +91 7880558160 | unboundedraj@gmail.com | linkedin.com/in/dhruvrajsingh19 |
github.com/unboundedraj | unboundedraj.tech

WORK EXPERIENCE

Contentstack

Jan 2026 – Aug 2026

Associate Software Engineer (Intern Jan–Jul + Full-time Aug 2026)

Mumbai → Pune

Red Panda CRM | *Next.js* (App Router), *TypeScript*, *Supabase*, *PostgreSQL*, *Anthropic API*

- Co-built (2 engineers) a **multi-tenant CRM** used by sales engineers in enterprise demos; customer conversion rose **~17%** the quarter after rollout (per internal quarterly report).
- Designed a **PostgreSQL** data model across 6+ entities (projects, members, customers, accounts, interactions, transactions), enforcing tenant isolation with **Row-Level Security** and member invites.
- Built an **AI-driven provisioning pipeline** (**Anthropic API**) that generates industry-specific schemas from a business profile and seeds **~500 records per project in ~12 seconds**, including project-scoped API tokens.
- Integrated with **Lytics CDP** via **REST APIs**, auto-generating segments and audiences that match the Lytics schema; built interactive dashboards for churn rate and at-risk customers.

Enterprise DXP Solutions

- Delivered integrations across **5+ enterprise client engagements and demos** (including **Apple, BMW, and Caesars**) with **Algolia, Google Analytics**, and **Contentstack Visual Builder/AgentOS**. Worked on **SAP Commerce Cloud Backoffice** for Apple.
- Implemented unified global search with **Algolia** for a retirement-services client, indexing videos, articles, and FAQs via the Contentstack marketplace connector and cutting latency from **~1s to ~0.6s (~40%)**.

PROJECTS

Encore | *Next.js, Express, TypeScript, PostgreSQL, MongoDB, Redis, Stripe, Docker*

GitHub | *Live*

- Built and deployed a full-stack ticketing platform with assigned-seat and general-admission booking (**13 REST endpoints, 8 PostgreSQL tables**); PostgreSQL holds bookings and payments, MongoDB the content catalog.
- Prevented double-booking in two layers: **atomic Redis Lua scripts** for all-or-nothing seat holds (7-min TTL) and a **PostgreSQL partial unique index** as the final guarantee; a test with 20 concurrent requests for one seat yields exactly one winner.
- Integrated **Stripe webhooks** with signature verification and idempotent processing (unique payment ID, **FOR UPDATE** lock), releasing Redis holds only after the Postgres commit and refunding payments that lose a seat race.
- Verified **Firebase ID tokens** on the API and wrote 6 test suites (~1.5K lines) covering races, webhook idempotency, and schema; ran Redis via **Docker Compose**.

Pradaan Portal | *Next.js 16, TypeScript, Supabase (PostgreSQL), Stripe*

GitHub | *Live*

- Built and deployed a full-stack donation platform with **3 role-based portals, 10 PostgreSQL tables, RLS policies**, and one-vote-per-user enforced by a **UNIQUE** constraint (~6K lines).
- Designed an **overflow engine** routing donations beyond a drive's goal into a community pot; integrated **Stripe webhooks** across 2 payment paths, with a **UNIQUE** intent ID preventing duplicate wallet credits.

SnackPay Bot | *Node.js, Telegraf, Cashfree Payments API, MongoDB, Webhooks*

GitHub

- Built and deployed a Telegram-based canteen ordering system processing **500+ orders daily** with automated payment links through **Cashfree**.
- Implemented **webhook-driven** payment confirmation and **REST APIs** to sync payment and order state, with **MongoDB** order and payment models.

EDUCATION

Army Institute of Technology

B.E. in Computer Engineering | **CGPA: 8.69/10.0**

Pune, Maharashtra

Sep 2022 – Jul 2026

TECHNICAL SKILLS

Languages

JavaScript, TypeScript, Python, SQL, C++

Frontend

React.js, Next.js (App Router), Tailwind CSS

Backend & Databases

Node.js, Express.js, REST APIs, Webhooks, PostgreSQL, MongoDB, Redis, MySQL

Payments & APIs

Stripe, Cashfree, Firebase Auth, Supabase, Anthropic API, Algolia

Tools & Practices

Git, GitHub, Docker, Vercel, Render, Agile, Unit Testing