

# Pratik Kumar

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[medium.com/@prateektiwari378](https://medium.com/@prateektiwari378) <https://portfolio-pratiks-projects-09d95611.vercel.app/>

## EDUCATION

GLA University, Mathura

B.Tech in Computer Science and Engineering

Dec 2020 - May 2024

CGPA: 8.25

## WORK EXPERIENCE

Squareboat Solutions [NestJS](#), [Airbyte](#), [ReactJS](#), [Redux](#), [MongoDB](#), [PostgreSQL](#), [AWS](#), [Redis](#)

Gurugram, IN

Software Engineer

July 2024 - Present

- Successfully developed an **end-to-end ELT pipeline** for an AI Agent platform, extracting data from diverse sources like **Facebook**, **Google Ads**, **Amazon Ads**, and **Shopify** using **NestJS**, **Airbyte**, **BigQuery**, and **MongoDB**. **Managed and transformed over 200GB+ of data using dbt transformations** while ensuring data consistency.
- Optimized PostgreSQL queries with **materialized views**, **partitioning** and **service layer caching**, reducing response times up to 40% and query execution by 20%.
- Integrated notification systems** such as Slack channels, FCM, and Emails using custom **SQS and Redis queue drivers**, ensuring timely and reliable internal events tracking of a **Multi Tenant Application**.
- Led staging and UAT releases independently**, managing PM2 configurations, Dockerfiles, Docker Compose files, NGINX, Apache2, EC2, and VPC configurations, alongside **master-slave database setups**.

Squareboat Solutions [ReactJS](#), [NextJS](#), [NestJS](#), [MongoDB](#), [PostgreSQL](#), [ObjectionJS](#), [BigQuery](#)

Gurugram, IN

Software Engineer Intern

July 2023 - July 2024

- Led a full frontend revamp** of a big competitor to Motion.app, using **ReactJS**, **Tailwind**, **React Query** and **Shadcn-UI**, **increasing the user base by over 300%**.
- Created robust **authorization mechanisms**, including **Nonce guards** and implemented comprehensive Role-Based Access Control (**RBAC**) and Attribute-Based Access Control (**ABAC**) systems across full-stack environments.
- Developed a full-stack job portal using **Next.js** and **NestJS**, incorporating **dynamic metadata** and **server components** for **enhanced SEO** and performance. Utilized **Tanstack React Query** for efficient API handling.

## PROJECTS

Regisedge [NestJS](#), [Airbyte](#), [DBT](#), [Redis](#), [AWS](#), [MongoDB](#), [Serverless](#)

- Developed an end-to-end **ETL pipeline** for integrating data from Google Ads, Shopify, Facebook Marketing, TikTok, and more. Alongside Implemented **DBT transformations** using DBT Core on AWS ECS, processing 200+GB of data.
- Integrated a **notification system supporting Slack and email alerts**. Added **SQS queues** for efficient handling.
- Integrated **Serverless Framework with AWS Lambda** for securely storing and retrieving sensitive user information.

Fanscribe [NextJS](#), [NestJS](#), [Redis](#), [MongoDB](#), [Kubernetes](#), [AWS](#)

- Platform where creators can register and sell their **audio content**, providing seamless experience for **creators**.
- Managed **file uploads**, implemented **Role-Based Access Control (RBAC)**, **caching**, and **notifications**.
- Authored all **Kubernetes** and **Docker** manifests for deployment, ensuring a robust and scalable infrastructure.

## TECHNICAL SKILLS

Python, Golang, Git, HTML, CSS, Javascript, Tailwind CSS, ReactJS, React Native, NextJS, Redux, React-Query, NodeJS, NestJS, AWS, Docker, Kubernetes, Jenkins, Redis, Queues, Serverless, MongoDB, PostgreSQL, SQL, GraphQL, Airbyte, Firebase, Repository Design Pattern, MVVM and Monorepo Architecture.

## ACHIEVEMENTS

- Published a custom [npm package](#) for **parsing JSON into CSV**, enhancing data processing capabilities for developers.
- Published a **golang package for Queue management** using Redis as a driver with support for **concurrency**. [Link](#)
- Published a **golang package for storage management with S3 driver**. [Link](#)
- Developed and maintained an open-source [Golang boilerplate](#) utilizing **repository design patterns**, **dependency injection (DI)**, **queues**, **Redis**, **MongoDB**, and more.
- Consistently sharing insights and knowledge on [Medium.com](#).