

PRATIK KUMAR

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Professional Summary

Full-Stack Engineer with 2.5+ years building scalable ETL pipelines and high-performance web/mobile apps using NestJS, Next.js, React, Golang, and AWS.

Technical Skills

Languages: JavaScript, Typescript, Python, Golang
Technologies/Frameworks: NodeJS, NestJS, Django, NextJS, ReactJS, React Native, Airbyte, DBT, ETL
Developer Tools: Git, GraphQL, Redis, Kafka, RabbitMQ
Devops/Cloud: Docker, Kubernetes, ArgoCD, AWS, Serverless, Firebase
Databases: MYSQL, PostgreSQL, MongoDB, DynamoDB

Experience

Squareboat Solutions

July 2023 – Present

Software Engineer L2

Gurugram, Haryana

- Solely 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.
- Developed a serverless **AWS Lambda** function in **Golang** for **image and video compression and thumbnail generation**, integrating with **S3 storage** and utilizing **concurrency patterns** to handle high-throughput processing.
- 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**.
- Solely responsible for **migrating** a legacy **React Native** app to **React Native 0.81** with **Expo**, improving performance and maintainability.

Squareboat Solutions

July 2023 – June 2024

Software Engineer L1

Gurugram, Haryana

- Led a full revamp of a big competitor to **Motion.app** as a **full-stack developer**, 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 and optimized backend features in **NestJS**, including **typeahead search, cron jobs, Stripe integration, and MongoDB aggregation pipelines** for **multi-tenant architecture**, improving functionality and performance.

Projects

Open Source Projects/Packages | *Golang, Redis, AWS, gRPC, GraphQL*

- Golang Microservices Boilerplate** 🐙: Open-source boilerplate with **gRPC/GraphQL APIs**, custom **CLI migrations** with rollback, structured **logging**, and **repository pattern** (PostgreSQL, Redis).
- Modular Queue & Storage Packages** 🐙: Reusable **Redis queue** package with retry/delay via sorted sets and **AWS S3 storage** package supporting multi-bucket operations.

RiseKit – Social Media Management Platform | *Next.js, NestJS, Golang, PostgreSQL, ClickHouse, AWS*

- Building **Sprout Social** clone with **Golang** data ingestion microservice pulling historic and realtime data via **Meta Graph API** using concurrency and scheduling.
- Developed modern **Next.js** dashboard featuring granular **RBAC/ABAC**, dynamic feature-based **subscription billing, TanStack Query** for efficient caching, and **Server Components** for SEO.
- Implemented **NestJS** backend microservices with **event-driven architecture**, and **ClickHouse** for high-performance analytics queries.

Gomon – Ethical Remote Access CLI | *Golang, gRPC, Redis*

- Created secure **macOS** remote access tool using **relay server** architecture and **gRPC bidirectional streaming**.
- Implemented **command multiplexing** over single connection, **response chunking**, and **liveness status**.
- Added real-time interactive **terminal access, file transfer** along with **response chunking**.
- Built with **concurrency patterns** (goroutines, channels) for handling multiple sessions efficiently.

Education

GLA University

B.Tech in Computer Science and Engineering (8.3 CGPA)

July 2020 – May 2024

Mathura, UP