

Nikhil Badyal

Remote, India
nikhilmadyal.com

possum-dawn-engulf@duck.com
github.com/nikhilmadyal

EDUCATION

- **Jadavpur University** Kolkata, India
Bachelor of Engineering in Computer Science and Engineering; GPA: 8.5 July 2018 – July 2022
 - **Relevant Coursework:** Data Structures, Algorithms, Database Systems, Distributed Computing
 - **Honors:** Graduated with Distinction
- **Jawahar Navodaya Vidyalaya** JandK, India
Senior Secondary; Percentage: 95% Nov 2011 – June 2018

EXPERIENCE

- **Anchanto** Remote, India
Senior Software Engineer Feb 2024 – Present
 - **Multi-Tenant Architecture Specialist:** Transformed the project from single-tenant to multi-tenant, supporting multiple customers and minimizing resource overhead.
 - **Tool Developer:** Wrote **EsXport**, a tool for exporting complex Elasticsearch data, reducing export times by 90%.
 - **Whitelabeled Branded URL:** Developed the branded URL feature, enabling clients to create white-labeled URLs for public searches.
 - **Logging Pipeline Setup with ELK Stack:** Set up a logging pipeline by configuring the ELK stack to ingest **600GB** of server logs per day from production servers. Pushed logs into Elasticsearch for efficient visualization and real-time search capabilities in Kibana.
- **Anchanto** Remote, India
Software Engineer May 2022 – Feb 2024
 - **API Development:** Developed and optimized **50+** APIs, managing **100M+** parcels and **5B+** events, enabling seamless platform operations.
 - **System Designer:** Designed the database schema and architecture for efficient data storage, including table designs, ensuring high-performance event tracking and real-time search across millions of parcels.
 - **ETL Engineer:** Built ETL pipelines to transform raw tracking data from **100+** external carriers into manageable formats, enabling seamless integration, efficient data storage, and improved parcel tracking. These pipelines processed over 5 billion records, ensuring the data was optimized for the platform's performance and usability.
 - **Cloud Infrastructure Engineer:** Managed the complete cloud infrastructure, overseeing server uptime, downtimes, deployments, and ensuring smooth and reliable operations while reducing costs by **30%**. I also ensured adherence to the **99.9999%** SLA commitment, maintaining exceptional service reliability..
 - **Tool Developer:** Wrote **Esyncer**, a tool to synchronize data from SQL (Postgres) to NoSQL (Elasticsearch), enabling faster search capabilities.
 - **Performance Engineer:** Optimized search capabilities to enable lightning-fast querying and tracking of 100 million parcels and 5B events in **2 ms**, down from **30 sec**. Integrated Elasticsearch with a replication setup, ensuring high availability and performance for real-time searches.
 - **DevOps Engineer:** Dockerized the infrastructure, enhancing consistency and scalability across environments.
- **Anchanto** Remote, India
Software Engineering Intern Jan 2022 – May 2024
 - **Backend & ETL Engineer:** Developed and wrote **10+** APIs to power core platform functionalities and improve system performance, while managing over **10M** parcels and **100M** events through SQL-based transformation scripts for seamless data flow.
 - **CI/CD Pipeline Setup and Automation:** Set up and configured CI/CD pipelines for a project, automating build, test, and deployment processes to streamline development workflows, improve code quality, and accelerate delivery cycles.

PROJECTS

- **Esxport:** Open-source Python library for exporting Elasticsearch indices into file outputs. [GitHub Link](#)
- **Tg-TOTP:** Telegram bot for generating 2FA tokens for secure logins. [GitHub Link](#)
- **Ghaction-rm-release:** GitHub action for automating release cleanups with tag removal. [GitHub Link](#)
- **KeepNotes:** Cross-platform note-taking app built with Flutter. [GitHub Link](#)
- **Pgextras:** Unofficial Heroku Pgextras port for PostgreSQL instance statistics. [GitHub Link](#)

PROGRAMMING SKILLS

Languages: Python, C++, SQL, Dart

Frameworks: Django, Flutter

Cloud: AWS, GCP

Databases: PostgreSQL, Redis, Elasticsearch

DevOps: Docker, Git

Tools: Kibana, Logstash