

Ritik Singh

+91-9625244176 | mr.ritik99@gmail.com | [LeetCode](#) | [GitHub](#)

EXPERIENCE

BigOh - Lufthansa (FlyDocs)

Jul 2024 – Present

Backend Development

- **Audit Trails:** Led the design and implementation of a logging system for backend mutations. Achieved 20 TPS (Transactions Per Second) and 4-second response time for GET APIs.

SDE I, Quadrical.AI

Jul 2023 – June 2024

Backend Infrastructure

- **Backend Modules:** Developed and maintained Solar-Backend (Flask), Solar-Reporting (FastAPI), and Dynamic-Jobs (Flask), cutting costs by 50% through performance optimizations.
- **Data Pipelines:** Built and optimized data extraction pipelines for InfluxDB.
- **Frontend Refactoring:** Reduced API calls and improved performance through frontend refactoring and deep linking implementation.
- **Cost Reduction:** Utilized GCP Batch and AWS Batch (Fargate) for enhanced job scheduling and cost efficiency. Developed a solar plant management system from requirements to release.

Full Stack Developer (Intern), Prithu Homes

Dec 2022 – Jul 2023

Backend Development

- **API Development:** Designed and maintained APIs for mobile clients using Node.js (TypeScript). Resolved existing issues.
- **Frontend Features:** Implemented features and fixed bugs using React.
- **Firebase Integration:** Added Firebase API for campaign and promotion notifications.

EDUCATION

MCA

CGPA 8.19

Banaras Hindu University

May 2021 – May 2023

PROJECTS

QuickCache (Go)

[GitHub](#)

In-memory key-value store with crash tolerance, utilizing Write Ahead Log (WAL) and String Sorted Tables (SSTables).

SKILLS

- Language: JavaScript, Python
- Backend: Nodejs, FastApi
- Frontend: React.js
- AWS: Batch, Fargate, EFS
- Tools: Docker, LangChain
- DB: PostgreSQL, MongoDB