Reeshabh Kumar Ranjan

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EDUCATION

- **Indraprastha Institute of Information Technology Delhi** — Delhi, India
  Bachelors in Computer Science Engineering, CGPA: 9.01/10 — *2017 - 2021*
  Courses: *Software Development using Open Source, Native Android App Development in Java, Security Engineering, Foundations of Computer Security, Operating Systems, Computer Networks, Databases*

EXPERIENCE

- **multithread.ai** ☑ — Remote
  Senior Software Engineer — *May '24 - Present*
  Techstack: Typescript, Javascript, AWS (ECS), GCP (Cloud Build, Cloud Run) Node.js, PostgreSQL, MongoDB
  - Backend and devops engineer for an early-stage US-based startup in the music-tech industry.
  - Devops engineer for an early-stage UK-based AI startup in the productivity-tech industry.

- **GoatFundedTrader — Proptech Trading** ☑ — Remote
  Software Engineer — *Mar '24 - May '24 (2 mos)*
  Techstack: Python, Django, Redis, PostgreSQL, Celery
  - Backend engineer for an early-stage Hong Kong-based proptech firm (wrote the entire backend from scratch in Django. Used Redis and PostgreSQL as well. Microservices were setup using Celery. Serves 20,000+ traders on a daily basis).

- **nsave (YC 2022 | Sequoia Capital | FinTech | London)** ☑ — Remote
  Founding Software Engineer — *Mar '23 - Mar '24 (1 yr)*
  Techstack: NestJS, Apache Kafka, Docker, AWS and PostgreSQL
  - Hired as the first engineer working closely with the CTO until the team reached 5 engineers.
  - Revamped the onboarding flow so that micoservices had clear ownership, and future changes can be made easily.
  - Optimised the users' cases management for the back office enabling the operations team to communicate with the users directly in-app.
  - Set up the unit testing framework for codebases using jest and automock (for database mocking).
  - Documented the APIs and set up easy-to-use Postman collections and flows for the engineering team.
  - Daily tasks include adding new features, fixing bugs and making design decisions.

- **MathWorks** ☑ — Remote
  Software Engineer — *Jul '21 - Mar '23 (1 yr 8 mos)*
  Techstack: Python, Docker, Ansible, Hashicorp Vault, Javascript, MongoDB, C, GitLab Ops and OpenStack
  - Migrated internal applications from HTTP to HTTPS.
  - Set up Hashicorp Vault using Terraform for secrets management for apps to be deployed on AWS.
  - Developed an internal tool in Python to configure the internal cloud hosted using OpenStack.
  - Developed an Express.js + MongoDB backend for an internal dashboard application.
  - Did an exploratory and hands-on study on writing a C driver for a temperature sensor for Raspberry Pi.

- **OffTrade** ☑ — Delhi, India
  CTO — *Jan '20 - Jun '21 (1 yr 6 mos)*
  Techstack: Django, AWS, Hashicorp Vault and Redis
  - Wrote the entire backend using Django.
  - Set up CI/CD to test and deploy on AWS.
  - Integrated with the following third-party APIs: PayU (payments backend), Firebase (notifications backend), Hashicorp Vault (app secrets backend), Google Sign In and Datadog (site monitoring backend).
  - Configured DNS and DDoS protection using Cloudflare.

PROJECTS

- **Research Mentoring Platform - Open Source online mentorship webapp** ☑:
  Worked for two semesters to write the **backend** of a mentorship platform. Later hired, delegated work and **mentored 6 interns** over a span of 1.5 years. The final product was handed over to **ACM India** (the Indian branch of the Association for Computing Machinery, focused on advancing computing) ☑. Techstack: Django, Django Rest Framework

- **Academic Portal for IIIT-Delhi, India**: Worked for a summer to develop the Self Growth and Community Work registration/logging website **backend**, actively being used by around **3000 students** and the academic department of IIIT-Delhi daily. Techstack: Django, Django Rest Framework

- **OSRTC Bus Ticket Management**:
  Worked for two months on the **backend** development of a bus ticketing system used by **the state government of Odisha, India**. Techstack: Django, Dango Rest Framework

- **Social Media App** ☑:
  Worked for two months on the **backend** development of a social media platform which **later went to market**. Techstack: Django, Django Rest Framework