

DARSHIT JAIN

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Education

Indian Institute of Technology, Jodhpur

July 2019 – May 2023

Department Rank: 1, Institute Rank: 2

Jodhpur, India

Bachelor of Technology in Electrical Engineering, CGPA: 9.12/10

Technical Skills

- **Languages:** JavaScript, C/C++, Python, SQL
- **Development:** NestJS, Typescript, Django, PostgreSQL, MongoDB, Redis, Bull Queue, GCP, Chrome Extensions, React JS, React Native, HTML, CSS
- **Utilities:** Git, Github, Docker, Github Actions, Postman, Retool

Experience

AccioJob | Software Development Engineer 1 | [Github](https://github.com) 🔗

June 2023 – Present

- Engineered a comprehensive **revamp** of AccioJob's Pre-Purchase Product to a **server-to-server, event-driven architecture** with seamless integration with **LeadSquared CRM** and **WebEngage** to enhance campaigns, and streamlining product funnels.
- Implemented multiple A/B tests within AccioJob's Pre-Purchase Product, resulting in a staggering **51% increase in user engagement** and a **30% surge in sales**.
- Architected PAP creation process streamlining microservices communication via **GCP Pub-Sub, Redis, and Bull Queues**, resulting in a 60% increase in processing efficiency, reduced memory consumption and enhanced scalability.
- Established a **development environment** project on GCP mirroring production components. Tasks included understanding production services, configuring **VPCs and networking**, deploying **autoscaling VMs**, setting up **Cloud Run**, migrating **Redis to VM clusters**, integrating **Bull Queue GUI**, and replicating multiple **microservices** with **secrets management** and **dev databases**, which led to reducing production bugs and testing time by 50%.
- Performed **query optimization** strategies, including **index creation**, query **caching**, and re-rewriting queries, resulting in a **40% improvement in query performance** and a significant **reduction in vCPUs from 8 to 4**.
- Orchestrated a complex flow between multiple **microservices, Google Cloud Functions, and Google Cloud Bucket** to efficiently generate Eligibility Test Reports for **30,000+ users**, reducing resource usage and increasing processing speed and versatility.
- Developed a custom **Cloud Run Job** to facilitate the **migration** of LeadSquared CRM Activities data **from Daton** (external service) to **AccioJob Database**.
- Re-initialized setup for **Elasticsearch** and **Kibana** with Authentication using **Docker Compose** with additional security using **GCP Firewall Settings**.
- Configured GCP **Cloud Scheduler** triggering **Cloud Function** to query **Elasticsearch** for status 500 error code logs and high latency logs, sending **alerts via Pipedream to Slack**.

Lummo (formerly BukuKas) | Software Development Engineer Intern

May 2022 – August 2022

- Worked with the **Payment Service Team** and was offered a **Pre-Placement Offer (PPO)** based on exceptional performance during the internship.
- Built multiple internal dashboards using **Retool** to track Users, Orders, Payments, Transactions, and related entities.
- **Reported two major bugs in Retool platform to their Engineering Team.**
- Developed multiple end-to-end **REST API** endpoints with necessary **Unit & Integration Tests** to fetch Payment & Order details & generating Invoices.

Projects

Meet Scheduler | DevUp Labs, IIT Jodhpur

Downloads: 6000+ | Rating: 4.9/5

[Chrome Web Store](https://chrome.google.com/webstore/detail/meet-scheduler) 🔗 | [Github](https://github.com) 🔗

- Conceptualized and implemented the backend & UI of a **Chrome Extension** with **8+ features**, which **auto-joins & auto-leaves** Google Meets at the date and time specified by the user.
- Integrated an additional feature of **Slots and Course selection** for the students at IIT Jodhpur.
- **Downloaded across 100+ countries, India and USA being the top two.**
- Technologies: **Chrome Utilities, React JS, Google Sheet API**

Achievements

2019-2023 **Institute Rank 1 in B.Tech'23 (6th & 7th Semester)**

2019-2023 **Department Rank 1 in B.Tech EE'23 (4th, 5th, 6th, 7th & 8th Semester)**

2019 **JEE Advanced AIR 5107** among 1.3 million candidates

Positions of Responsibility

2022-2023 **Placement Representative** Career Development Cell, IIT Jodhpur

2020-2022 **Web Development Team** Career Development Cell, IIT Jodhpur

2020-2021 **Student Guide** Student Wellbeing Committee, IIT Jodhpur