

Ayush Raj

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Education

Indian Institute of Information Technology

Allahabad

BTECH IN INFORMATION TECHNOLOGY (IT)

August, 2015 - June, 2019

- CGPI - 8.14

Experiences

ZoomInfo

Bangalore

SOFTWARE ENGINEER III

Nov 2023 - Present

- Acted as a **technical lead** for several customer facing analytics dashboards, owning the backend development, including data pipeline, query optimization, and dashboard enablement.
- Built a SingleStore **MCP server** leveraged by Product Managers to generate KYC (Know Your Customer) reports, directly supporting **renewal** strategies and customer engagement efforts.
- Built **AI agents** that extend dashboard functionality by enabling customers to query data and uncover additional insights.
- Streamlined job orchestration by migrating pipelines and crons to **Airflow**, enabling centralized monitoring and faster debugging.
- **Tech Stack:** NodeJs, Python, NestJs, MongoDB, Singlestore, **LLM**, **MCP**.

Lets Transport

Bangalore

SOFTWARE ENGINEER II

July 2022 - Nov 2023

- Worked on low level design and implementation for storing comprehensive vehicle attributes.
- Enhanced system security and authentication by replacing custom token creation with **JWT** implementation in the workflow.
- Significantly improved system performance by optimizing a key API, reducing latency from **4-5 seconds to just 300-400 milliseconds**. This enhancement directly contributed to a 50% increase in user engagement and retention on the discovery page.
- **Tech Stack:** NodeJs, NestJs, Express, Javascript, Typescript, MongoDB, Redis, Python.

Vertrical

Remote

SENIOR DEVELOPER

Aug 2021 - July 2022

- Developed a cronjob in kubernetes which reminds active users to order the medications on time.
- Built the pharmacy flow that allows users to order medications and the page that allows users to keep track of all prescriptions status.
- **Tech Stack:** NodeJs, NestJs, ReactJs, MySql, Kubernetes

Fidelity Investments

Chennai

SOFTWARE ENGINEER

Aug 2019 - July 2021

- Engineered an automation patching portal that streamlined server patching processes, reducing manual efforts and ensuring timely security updates.
- Redesigned and implemented the customer representative dashboard, integrating **OAuth 2.0** for seamless Single-Sign-On experience, enhancing user authentication and security.
- **Tech Stack:** NodeJs, Express, ReactJs, MongoDB, Docker.

Juniper Networks

Bangalore

SOFTWARE ENGINEER INTERN

Jan 2019 - Jun 2019

- Part of Development of a Unit Test Automation tool in **Python**, in a team of three. It runs user-defined test suites, and topology generates repro steps and collects core in case of failure.
- **Tech Stack:** Python, C++