

Kartik Prajapati

Software Engineer

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EXPERIENCE

Shipsy

Software Engineer

May 2022 to Pres.
Remote

- Architected and implemented Integration Marketplace from the ground up. The design allows for seamless integration additions without requiring any modifications in the frontend codebase. I ensured pixel perfect UI implementation and achieved a response time of under 200ms for all associated APIs.
- Implemented scalable tracking polling engine in python which polls & update tracking of 5M consignments every hour.
- Revamped three integration services to improve logging, monitoring and error handling to minimize disruptions to critical processes.
- Designed and implemented a performant rule engine in TypeScript for mapping JSON values, successfully handling more than 100,000 mapping operations per minute.
- Designed schema for API documentation and migrated old Open API documents to new schema to simplify API documentation.
- Implemented multiple modules in NestJs & Loopback.

Infocusp

Software Engineering Intern

Feb. 2022 to May 2022
Gujarat, India

- Built Model Factory 2.0 for Innovyze/Autodesk for automating machine learning model retraining and deployment.

CodeChef

Software Engineer Intern

Feb. 2021 to Feb. 2022
Remote

- Designed and implemented scalable notification/alert system
- Upgraded MySQL from v5.6 to v5.7 on AWS RDS.
- Ensured web security by fixing SQL Injection and Cross-site scripting.
- Implemented a summary table to optimize aggregation queries, which resulted in a 300x performance boost.

PROJECTS

Online IDE

- This website allows users to compile and run C++ code online.
- I built the frontend in React and API in Node js(express). I also developed a worker server in Node js which compiles and executes programs. I have used jsonRPC 2.0 protocol for internal APIs and deployed this project on Heroku.

Web server

- Built an Apache like HTTP web server in C which can serve static and PHP files. Implemented fast-cgi protocol in C to serve PHP files efficiently.

COMPETITIVE PROGRAMMING

ktk.prajapati - Candidate Master
Highest Rating: 1934
Best Rank in contest: 205

ktk_ - 4★

Highest Rating: 1999,
Best Rank: 51

SKILLS

Languages

C/C++ • Python • Javascript •
Typescript • Go • PHP

Databases

PostgreSQL • MySQL • MongoDB
• Redis

Frameworks

NestJs • Loopback • React •
Drupal • Express

Misc

Git • Docker • Linux • Azure •
AWS • Wireshark • Web Security

EDUCATION

Bachelor in Computer Science
The Maharaja Sayajirao University
of Baroda

CGPA: 9.3
Jul. 2017
to May 2022

ACHIEVEMENTS

AWS Gameday Runner Up