HARSH VARDHAN

Software Engineer

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EXPERIENCE

Software Engineer - Backend
Reliance Retail (Jio Platforms Limited)

📅 August 2022 – present

- Designed and Created a new HRMS Portal for skill development and on-boarding of Employees in Reliance Retail, scaled for over 3 Lakh new Employees in Reliance Retails across various Orgs. Worked on both UI using **ReactJs** and the Backend Systems using **Spring Boot**.
- Build Catalog Sync Service (i.e. aLarge Scale Data Pipeline) from scratch for Jio's Centralised Search Application that powers catalog for **JioMart, Tira** and **Ajio** which is feed to multiple Sources of Analysis for Search and Recommendation Optimisations such as Google's Relevance and Recommendation Engine for Retail and an in-house search Model that powers Collections made on **Vespa**.
- Technologies Involved: **Java, Spring Boot, Google Cloud Platform, Vespa Storage, Kafka and Google Retail, ReactJS, Axios**.

Software Engineer - Backend
Toppr (Acquired by Byjus)

📅 June 2021 - July 2022

- Integrated a new Payment Method for Toppr CRM (in **Django**) provided by Ingenico payments as custom EMIs (via. Standing Instructions) and also regular payment methods which **supported 50 percent** of total orders.
- Worked on Bulk Order tool for placing orders in bulk, created a Queue system using AWS SQS for implementation of the feature.
- Created a Scheduler as a Service application in **Golang** to replace the Delayed Jobs(which was used as a scheduler for 77 percent of delayed invocation in backend app for BYJUS Learning App) implementations for Ruby on Rails Backend service. **That reduced the overall latency and reduced 5xx Errors by 90 percent**.
- Technologies Used: **Python, Django , AWS SQS, AWS Eventbridge (CloudWatch), Redis, PostgresSQL, Golang, Ruby on Rails, Kafka.**

Python Data Engineer Intern
Wealth42

📅 June 2020 - October 2020

- Build AMCs Mutual Funds Portfolio down-loader script (**Including 30 major AMCs**) and automated the process and create a data model for data exchange in back-end in JSON format.
- Built a user-friendly Google WebApp on Google Cloud Platform, leveraging GmailAPI and AppScript. Enables us to access Banking Statements and manage email settings with ease.
- Technologies Used: **Pandas,XLRD ,Django ,Google Cloud Platform, MySQL, AWS,JSON**.

PROJECTS

CompCart

📅 October 2019 - January 2020

- Created an E-commerce website for computer parts with various categories of products, added payment methods using StripeAPI.
- Created user authentication and a dummy data set for all products(SQLite DB), with cart functionality.
- Technologies Involved: Django, Python, StripeAPI, SQLite, HTML, CSS

REST API For Bank Information

📅 April 2020 - May 2020

- Created a REST API that gives you information about the banks branch details and all the information about each branch of banks in a city in JSON format.
- Technologies Involved: Django, Django REST Framework, Basic Regex.

EDUCATION

B.Tech. Computer Science
ABV - Indian Institute of Information Technology Gwalior

📅 2017 - 2021   CGPA: 7.70

All India Senior School Certificate Examination
Maharshi Patanjali Vidya Mandir, Allahabad

📅 2014 - 2016   89.6%

All India Secondary School Examination
Maharshi Patanjali Vidya Mandir, Allahabad

📅 2014   CGPA: 9.80

SKILLS

- Programming Languages: **C, C++, Python, Java, Golang**(basics)
- Database Systems: **Postgres SQL**
- Libraries and Frameworks: **Spring Boot, Django ,ReactJS (Basics) ,Django Rest Framework**
- Cloud Platforms : **Amazon Web Services, Google Cloud Platform and Azure Devops**

RELEVANT COURSES

- Try Django 2.2 - Web Development with Python 3.6+
- React and Redux Masterclass
- JP Morgan Chase Software Engineering Virtual Experience

ACHIEVEMENTS

- Participated in Google foobar challenge and completed level 3.
- Advanced Level Problem Solving Certification From Hackerrank.
- Employee of the Month for December 2022 for Jio Platforms Limited.