

VASU GOYAL

Backend Software Engineer

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PROFESSIONAL EXPERIENCE

Software Engineer II

JPMorgan Chase & Co.

📅 07/2021 - Present 📍 Bangalore, IN

- Led the design and implementation of a **petabyte-scale Data Warehousing solution on the AWS Redshift platform**, ensuring robust security, scalability, and high availability, which is used as a foundation for daily reporting of a **\$2 billion annual business**.
- Redesigning the data pipeline for cloud infrastructure, transforming **data ingestion and consumption** for the global trading platform, resulting in an astounding **66% reduction in infrastructure costs, saving nearly \$500K annually**.
- Elevated the performance of crucial time-bound reports by refining and optimizing existing code, leading to a seamless and timely delivery of insights that directly **impacted the business's bottom line**.
- Facilitated the onboarding of new businesses to the application by resolving challenges and architecting enhancements in the system, accommodating diverse requirements and fostering efficient adaptability.

Software Engineer Intern

JPMorgan Chase & Co.

📅 06/2020 - 07/2020 📍 Bangalore, IN

- As part of a combined effort with NGO, Developed a **Django-based progressive web application** that allowed Indian Sign Language speakers to communicate with a broader population by implementing a CNN-based model, providing visual translation in real time.

PROJECTS

My Spotify

- Designed a Python Web application to visualize the changing listening patterns of the user, using OAuth to authenticate and querying user data through Spotify's RESTful API, categorising songs based on different audio features and integrated it into web application

EXTRACURRICULAR ACTIVITIES

Developer

LetsTagOnFoundation

- Collaborated with LetsTagOnFoundation on a pro bono basis to enhance their website's front-end capabilities designing combined solution of WordPress and Angular, introducing dynamic behavior and enabling easy content updates for non-technical personnel.

Core Team Member, Coding Club

IIT Guwahati

- Coordinated with multiple groups, overseeing conceptualization, supervision, and development of the projects undertaken by the club.

Technical Secretary

Kameng Hostel, IIT Guwahati

- Led the Hostel in KRITI, Inter Hostel Technical Competition, which involved over 25 events spread over 30 days, managed and assisted in the development of each one of them.

EDUCATION

Bachelor of Technology, Electronics and Communication Engineering

Indian Institute of Technology, Guwahati

📅 2017 - 2021

- *Minor in Computer Science and Engineering*

CPI

7.97 / 10

CBSE Class XII

Delhi Public School

📅 2015 - 2017 📍 Delhi, IN

- *Aggregate: 96.2%*

SKILLS

Programming

Python

C/C++

Java

TypeScript

Terraform

SQL

FRAMEWORKS/TOOLS

AWS

Django

Spring

Git

Boto3

Sagemaker

Jenkins

Docker

Databases/Data Storage

AWS Redshift

AWS Aurora RDS

Vertica

MySQL

PostgreSQL

S3

AWS Athena

Kinesis

SQS