Garvit Minocha

Backend Developer

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EXPERIENCE

Amantya Technologies Pvt. Ltd., New Delhi - *Senior Software Engineer*

Jan 2022 - PRESENT

- Managing the 5G Core Architecture for the client Verizon.
- Working in a team of 10 people where we have to manage the different nodes of the 5G architecture.
- Working on making the speed of the call flows faster.
- Working on creating API's of the 5G call flow and reducing the response time of the same.
- I had the ownership of UDM , UDR,BSF,AUSF,NSACF,PCF and NEF.

Qzzo Tech, New Delhi - *CTO, Co-Founder*

Jan 2021 - Dec 2021

- Managed the Technical team of 15+ members.
- Created an App where parents can schedule a cab for their child.
- It consisted of a network of parents and driver and admin.
- I created the whole architecture of the same and the backend of the same.
- Worked on I-Clear Projects who is a client of Qzzo Tech.

Credicxo Tech, New Delhi - *Backend Team Lead*

April 2020 - Dec 2020

- Managed a team of 5+ Members.
- Worked on the backend of Cash Tray App.
- I was responsible for managing the team as well as working on the backend of the Cash Tray App.

Credicxo Tech, New Delhi - *Backend Intern*

Jan 2020 - March 2020

- Worked on credicxo app backend which was created in Django.
- I was responsible for resolving the issues and deploying the same on the server.

EDUCATION

MSIT, New Delhi - *B.Tech. CSE*

Aug 2016 - Oct 2020

SR DAV PUBLIC SCHOOL, Saharanpur(U.P.) - *Secondary School*

April 2013 - March 2015

NIRMALA CONVENT SCHOOL, Bulandshahr - *High School*

Mar 2013

Projects

MEC (Mobile Edge Computing)
- The project was done by Amantya Technologies.
- The aim is to create a MEC architecture so that we can provide the user with a better connection for specific apps.
- The technologies that I am working on are:- Go,Django ,Linux, Git, Docker.
- I am responsible for managing the MECP and NEF including the architecture of the dependencies.

5GCore
- The project was done in Amantya Technologies for the client Verizon.
- The aim is to create an advanced 5G architecture as per 3GPP so that we manage the coverage of the different UE's without compromising the speed.
- The technologies that I am working on are:- Django ,Linux, Git, DjangoQ, Docker.
- I am responsible for managing the UDM, NEF, NRF and PCF node including the architecture of the dependencies.

IClear AI Device
- This Project was undertaken by Qzzo Tech.
- The aim of the project was to build a device that could be attached to a CCTV Camera and then could transfer the stream to the app and could support features like :- Live Stream, Local Playback, Cloud Playback, Downloads, Device Management and AI Features like:- Human Intrusion, Camera Tempering, Loitering , Human Count , LeftOver Object Detection, etc. with a subscription.
- I was responsible for the completion of the project.

- I created the Architecture of the whole Project, created the schema of the database , the cloud architecture and did research on all the technologies in the same.
- We worked on the protocols like :- RTSP , RTMP , SRT , WSS, WebRTC , HLS ,HTTP, MQTT,SSE, Onvif etc.
- The backend was created in django and was linked to the different servers responsible for streaming, AI , embedded connections and website.
- We used Raspberry pi to act as a middleware between the CCTV Camera and the server.
- It was a great experience as it involved vast domains and many hours of research and learning of new technologies.

Cofe Rewards App

- This Project was undertaken by Qzzo Tech Pvt Ltd.
- The aim of the project was to create an app that could be used for giving rewards to the Distributor, Dealer and technician in the export chain. We gave QR Codes in the product boxes by scanning which they can get reward points through the app and can be used to redeem the rewards listed in the app itself. It is also used for passing the information to the people about the new products that are being launched and get their queries for the same.
- I was responsible for the complete project.
- I created the architecture which included the app, dashboard to manage all the operations and the backend of the same.
- The backend was created on Django and the database used was Mongodb, we used React Js for the dashboard and React Native for the app.
- It was a project that involved software and a system between the people so it was a nice experience.

Qzzo Student Transport App

- The aim of the project was to create a network where a parent can book a school cab for their child easily and can watch the live location daily without any problem. The aim was to reduce the gap between the drivers and parents and create a secure system for them where they can easily track down their child from anywhere.
- It consisted of an App for the parents where they can book a ride easily , an app for drivers to manage the driver end for showing the schedules and list of students so as to make it an ease for them. Apart from these a dashboard which can manage the system so as to track everything and an embedded device for the cab to monitor its movement.

- The backend was created on django and consisted of both ASGI and WSGI servers for managing the different apps and dashboard. And we used Mongodb for the database,Raspberry pi for monitoring the vehicle, Angular for the dashboard and the Apps were on Android Native.
- There were many challenges while working on this project as it was my first project that was completely managed by me.

Cash Tray Fintech App
- This project was of Credicxo Tech Pvt Ltd.
- The aim of the project was to create an app which could be used to provide microfinance loans to the customers with an AI powered Algo that determines whether the person is fraudulent or not..
- I was responsible for managing the backend and deploying the same.
- Most of the features were pretty common between Credicxo micro finance app and cash tray app there were some features that were different and algo used for determining the same was also different.
- The backend was created on django and consisted of both ASGI and WSGI servers for managing the app and dashboard. And we used Mongodb for the database, Angular for the dashboard and the Apps were on Flutter.

SKILLS

Programming Languages:- Python(Advanced), Java(Intermediate), C++(Intermediate), C(Intermediate),GO (beginner)

Web Technologies:- HTML(Advanced),CSS(Basic),Bootstrap(Intermediate), Js(Intermediate) ,React Js(Intermediate)

Scrapping:- Beautiful Soup(Intermediate), Selenium(Intermediate)

FrameWorks:- Django(Advanced), Flask(Intermediate)

Databases:- Mongodb(Advanced), SQL(Intermediate), pSQL(Intermediate), Dyanamodb(Intermediate)

Operating Systems:- Linux(Advanced) ,Windows(Intermediate)

Embedded Systems:- Raspberry Pi(Intermediate) , Node MCU(Intermediate)

Others:- Git(Intermediate), Docker(Intermediate), EC2(Intermediate) , S3 Buckets (Intermediate), DNS(Intermediate)

Certificates

- Participant in App innovative circle initiative by Microsoft
- Participation in Robotics workshop 2019
- Volunteer STEP by IEEE 2018
- Participant of Hackathon Hack CBS
- Event Head of Avensis 2019
- Python SIG Team Lead in IEEE MSIT in year 2018-19