

Sheenam Narula (Senior Software Engineer)

Contact : 8427253872

Email : sheenamnarula1993@gmail.com

Personal Web (For digital resume): sheenamnarula93.com

Educational Qualification : B.TECH in Electronics and Communication from Chandigarh Engineering College.

Company experience :

- ★ Completed internship in Core Java from **Wipro,Pune(2016)**.
- ★ Trained as a **Full Stack Developer** from **Stackroute, Bangalore** and worked in Wipro Digital, Bangalore.
- ★ Worked in Igniva Pvt. Limited, Mohali.
- ★ Working in Trantor Software Pvt. Limited, Chandigarh

Professional Summary

- ❖ Total experience of 4.5 years as a backend developer in Node js and IOT project.
- ❖ Have good experience in node js with graphql projects.
- ❖ Have hands-on experience in React js.
- ❖ Have worked on Voice Automated System in which speech technology and IOT is integrated.
- ❖ Good at understanding project requirements and implementing the requirements in the best possible way and on time as well.
- ❖ Have experience in Dialogflow (Google speech + intent detection) api.
- ❖ Have experience in integration of online payment APIs like Stripe and Mango Pay
- ❖ Have experience in integration of Docusign api for digital Signature.
- ❖ Good hands-on experience in MongoDB.
- ❖ Hands-on experience on containerization and deploying node js apps using Docker and Kubernetes.
- ❖ Have experience in using AWS ELASTIC CONTAINER SERVICE.
- ❖ Good understanding of development with unit test cases with Mocha.
- ❖ Excellent communication and interpersonal skills with an ability to work in a team with an attitude of learning and adding value to the team with possessed skills.

Technical Competencies

- Languages: Node JS, GraphQL, IOT, Python (used for IOT)
- Frameworks: Express js, Hapi js, Meteor js, Mocha and chai (testing)
- Hardware: Embedded (Arduino, Raspberry pi)
- Database: Mongo db
- ORM : Mongoose
- Apis : Stripe, Dialog Flow, Docusign, Smooch, Mangopay, Twilio message service, Nexmo message service
- Other: Docker, Kubernetes, Snowboy, AWS Container Service, Google cloud storage

Projects :

Current Company (Trantor) January 2019 – To Present

1. Smart Conference Room

This is a combination of Speech technology and IOT (Internet of Things) together. In this project, a conference room is actually made smart by deriving a meeting end to end through voice. In this project, following devices and applications were controlled through voice :

1. Projector (integrated using IOT and Embedded concepts)
2. Lights (using IOT and Embedded concepts)
3. PDF reader (For Presentation)
4. VLC media player (To play a video)

PLATFORM: Linux (can also be done Raspberry pi)

Apis: Dialog Flow

LANGUAGES: Python, Embedded C

Hardware: Arduino, Node mcu, IR Transmitter

Software: Snowboy

Job roles and responsibilities

- ★ Technically Leading this project
- ★ Trained resources on IOT concepts
- ★ Integrated Snowboy (hotword detection engine)
- ★ Integrated Dialog Flow api (for streaming and intent detection)

- ★ Decoded projector commands
- ★ Worked on IR and Nodemcu to control projector

2. Synthetic Framework

This project is about to generate the data required by machine learning models for training purposes.

PLATFORM: Linux

FRAMEWORK: Express js

LANGUAGES: Node js

TOOLS: Git

Job roles and responsibilities:

- ★ Architecture design and flow of project.
- ★ Implementation of templating engine in the right way.
- ★ Generation of screenshots and json data and storing the same in gcs bucket.
- ★ Dockerization of project.
- ★ Performance Improvement and scaling of application.

3. CLUI Integration

This project is about displaying data from elastic in a react app. That data is about the collection of daily work screenshots. For this, I used a CLUI library in react for interactive purposes.

PLATFORM: Linux

FRAMEWORK: Express js

LANGUAGES: Node js with GraphQL, React js

TOOLS: Git

Job roles and responsibilities

- ★ Implementation of backend architecture.
- ★ Development of APIs in GraphQL and used Elastic search queries to get data.
- ★ Support for integration of CLUI library in react.

4. Node cli

This is an internal project for auto deployment of projects to save time of deployment. In this, we developed a cli based on node where on a linux machine by running some suggestive clicks, even a non-technical person will be able to run the project.

PLATFORM: Linux

LANGUAGES: Node js , bash script

TOOLS: Git

Job roles and responsibilities

- ★ Implementation of command line interface in node.
- ★ Understanding of deployment process and writing the same in bash script

5. FortressIQ

This platform helps the new digital workforce thrive within the enterprise, addressing the scale problems endemic to automation platforms today, and the security, compliance, and data problems that stifle their adoption

PLATFORM: Linux

FRAMEWORK: Express js

LANGUAGES: Node js with GraphQL

TOOLS: Git

Job roles and responsibilities

- ★ Helped in designing backend architecture.
- ★ Implementation of backend architecture
- ★ Development of APIs in graphql.
- ★ Transforming the data collected from the end-user and storing it in the required format.
- ★ Further, the saved data is exported in excel files to be used for machine learning purposes.

6. Veriown

This is bringing internet-connected solar energy to the 1.2 billion people around the world without access to a power grid. With a visionary program to supply electricity, light, and the internet, with access to online education, entertainment, and commerce all from a single device, it is providing the miracles and benefits of the 21st century to everyone, everywhere.

LANGUAGES: Node js with GraphQL

FRAMEWORK: Express

DATABASE: MongoDB

ORM: Mongoose

Job roles and responsibilities

- ★ Worked as a backend developer for veriown cloud
- ★ Developed the Error handling module so that end-user can get an error in a suitable format.
- ★ Implemented Encryption and Decryption of customer data for security purposes.

7. K-LITE

This application is to showcase data collected for Machine learning purpose using filters as we do in KIBANA.

LANGUAGES: Node js

FRAMEWORK: Hapi js

DATABASE: Elasticsearch

Job roles and responsibilities

- ★ Worked as a backend developer
- ★ Development of apis and handling architecture of project.
- ★ Dockerization of application.
- ★ Deployment of application on instances and set up of github workflows for auto deployment process.

Before Current Company July 2016 – To November 2019

7. NOMIS

This tool is used to manage loan specifications. In some places, like in Canada, loan interest rates are not predefined. These are calculated on the basis of earnings and expenditure of a person who is applying for a loan. Basically, a person can bargain for the loan interest rate. So to manage all these things, this tool has some formula which can calculate interests and keeps a record of every bargain and also about interest rates provided by competitor parties so that the manager can see all the records in one place and can approve or reject the loan.

PLATFORM: Linux (Ubuntu)

FRAMEWORKS: Meteor

TOOLS: Git, JIRA

DATABASE: Mongo db

Job roles and responsibilities

- ★ Worked as a Backend developer.
- ★ Migration of APIs from meteor to node.

8. Samarthya

This project is an employment portal where any person can register and upload his work to showcase and can get employment.

This project has two parts:

1. One is for Candidate
2. Second is for Employer

PLATFORM: Linux

FRAMEWORKS: Express

LANGUAGES: Nodejs

ORM : Mongoose

DATABASE: Mongo db, Neo4j

Job roles and responsibilities

- ★ Worked as a backend developer.
- ★ Email Integration using nodemailer.
- ★ Stripe integration for the subscription of premium accounts.
- ★ Twilio integration for SMS notifications.

9. Cheforder

The project was a catering app where a customer can pre book a chef or caterer. Chefs can register and can easily get orders.

FRAMEWORKS: Meteor

DATABASE: Mongo db

Job roles and responsibilities

- ★ Worked as a backend developer.
- ★ Email Integration.
- ★ Stripe integration for payment to business users.
- ★ Twilio integration for SMS notifications.
- ★ Fcm-node integration for mobile notifications
- ★ Implemented logic for cron jobs for ontime auto credit of payments.

10. Konnect

This project was mainly Uber like in technical implementation but this is to book car cleaners and services. In this project, the customer role is there to book cleaners. But car cleaners can be a manager and can hire further persons for work. For this purpose, a management portal was also a part of this project.

FRAMEWORKS: Nodejs(express) with graphql

TOOLS: GIT

DATABASE: Mongo db

Job roles and responsibilities:

- ★ Managed a small team of interns who were learning graphql.
- ★ Worked as a backend developer.
- ★ Implemented graphql subscriptions for real-time requests for the services to the agents.
- ★ Suggested and Introduced manager role to client.
- ★ Integrated Stripe for online payments.

11. Brang

It was an app like Olx where customers can post pics of articles and rent these out to other users.

PLATFORM: Ubuntu

LANGUAGE: Node js with GraphQL

FRAMEWORKS: Express

TOOLS: GIT

ORM: Mongoose

DATABASE: Mongo db

Job roles and responsibilities

- ★ Worked as a backend developer
- ★ Mango pay integration for payment.
- ★ Developed custom subscription module for auto-payment as mango pay does not support subscriptions.

12. Labletone

It was an app where artists can register and showcase their songs. Music companies can listen to the songs uploaded by artists and can hire them.

JOB ROLE : Backend Developer

PLATFORM: Ubuntu

LANGUAGE: Node.js with GraphQL

FRAMEWORKS: Hapi

TOOLS: GIT

ORM: Mongoose

DATABASE: Mongo db

Job roles and responsibilities

- ★ Worked as a backend developer
- ★ Stripe integration for payment.
- ★ DocuSign API integration to sign the contract between company and artist