

# Harika Soma

Database Developer and Backend Developer

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## EDUCATION

### CMR Technical Campus, Kompally, Hyderabad — *B Tech*

June 2014 - March 2018

- Completed Bachelor of Technology in a Computer Science Stream.

### Sri Gayatri Junior College, Karmanghat, Hyderabad — *Intermediate*

July 2012 - March 2014

- Completed Intermediate in an MPC Stream.

## EXPERIENCE

### Tride Innovative Technologies PVT LTD, Madhapur — *Senior Developer*

Dec 2022 - Present

- Worked as a backend developer for full-end applications like IoT and web.
- Implemented the microservices architecture for the backend server.
- Worked with development teams to troubleshoot data reading from a database server.
- Trained people in database development and Golang.

### Texoham Centre for Advanced Computing, Amberpet — *Database Developer and Backend Developer*

March 2020 - March 2022

- Assisted with a database architecture for the applications like IoT, web, and mobile.
- Worked as a backend developer for full-end website development and e-commerce website.
- Implemented the microservices architecture for the backend server.
- Worked with development teams to troubleshoot data reading from a database server.
- Trained people in database development and database design.

## EXPERIENCE (IN YEARS)

Database (MongoDB, PostgreSQL) - **3.5 Years**

Backend (GoLang, Nodejs) - **Years**

## SOFT SKILLS

- Problem-solving
- Self-motivation
- Empathy
- Adaptability
- Communication.

## TECHNICAL SKILLS

- Typing
- Troubleshooting
- Testing skills
- API design
- Teamwork
- Database design.

## TECHNICAL LANGUAGES

### Expert Level

- Golang
- Nodejs
- MongoDB
- HTTP
- MQTT
- GraphQL

### Intermediate Level

- Javascript
- gRPC
- PostgreSQL
- MYSQL

### Basic Level

- HTML & CSS basics

- Python basics.

## **Akshaya Automations, Amberpet— *Database Developer***

January 2019 - January 2020

- Worked as a database developer in a team on projects like machine data communications, IoT applications, and mobile applications.
- Worked as backend developer as a team on projects like IoT applications, web, desktop, and mobile applications.

## **Akshaya Automations, Amberpet— *Internship***

August 2018 - January 2019

- Learned databases like MongoDB, Mysql, and server-side programming languages like Node Js and Golang.

## **PROJECTS**

### **Project 1 - Tride EVRides SaaS Platform (Dealer Backend)**

**Description** - SaaS Platform for Electric Vehicle OEMs and their Channel Partners. It manages the day-to-day operations from inventory management and customer management.

**Technologies Used** - Rest API, NodeJS, MongoDB.

- Backend APIs for changes like error corrections in data displaying.
- Inventory Management
- Micro Websites for Channel Partners
- Customer Management
- Demand Forecasting
- Website Forecasting
- Mobile App for Channel Partners to manage Leads and Enquiries

### **Project 2 - Tride Traceability Platform**

**Description** - SaaS Platform for Asset tracking and tracing along with reports and Industrial IoT Capabilities.

**Technologies Used** -Rest API, GoLang, MongoDB.

- Backend APIs for changes like error corrections in data displaying.
- SMS Sending APIs.
- Unique Code generation for child parts.
- Asset Tracking and Tracing across the assembly line.

- Industrial IoT. Ability to communicate PLC and CNC to produce and track the identification codes on assembly lines.
- Reports and Quality Checks.

### **Project 3 - Tride Fleet and Telematics Management Application**

**Description** - SaaS Platform for Fleet Management along with Internet of Vehicles capabilities.

**Technologies Used** - GraphQL, GoLang, MongoDB, MQTT.

- Backend APIs for data displaying, reading data, storing data and notifications.
- Vehicle Telematics and analysis
- Route and Trip management
- Driver Behaviour analysis
- Driver and Personnel Management
- Mobile App for Vehicle Tracking and Attendance

### **Project 4 - ConfluenceEdu Overseas Consultancy Application**

**Description** - Web Application to manage and help run an overseas consultancy business.

**Technologies Used** - NodeJS, Rest API, Websockets, MongoDB

- Developed backend APIs for Login system, Counselor, Associate, Student features
- APIs for Universities add, edit, view and delete with the respective features required.
- Data storing, retrieving, aggregation and administrating the entire database.
- Real-time chat.

### **Project 5 - Diquark IoT Device Ecosystem**

**Description** - An ecosystem of apps both mobile and web apps for managing an IoT Device in real-time and with live updates and notifications.

**Technologies Used** - Rest API, Websockets, NodeJS, MongoDB

- Backend APIs for Admin Dashboard and User Dashboard.
- Backend APIs for User Android Mobile Application.
- Data storing, retrieving, aggregation and administrating the entire database.

## **Project 6 – Kompost Machine IoT Application**

**Description** – Web application to view the real-time data from a compost machine.

**Technologies Used** – Rest API, Websockets, NodeJS, MongoDB

- APIs for real-time machine data displaying and graphs data displaying.
- Data storing, retrieving, aggregation and administrating the entire database.
- Live notifications.

## **Project 7 – Kovidha Energy Meter IIoT Application**

**Description** – Web and Mobile Application to watch and analyze the live energy meter data from Industrial machines in real-time.

**Technologies Used** – gRPC, Golang, MongoDB

- APIs for real-time machine data displaying and graphs data displaying.
- Data storing, retrieving and aggregation.
- Live notifications.

## **Project 8 – Kovidha Machine IIoT Application**

**Description** – Web and Mobile Application to watch and analyze the live machine data from Industrial machines in real-time.

**Technologies Used** – gRPC, Golang, MongoDB

- APIs for real-time machine data displaying and graphs data displaying.
- Data storing, retrieving and aggregation.
- Live notifications.

## **Project 9 – Wishwa Crowd Platform Application**

**Description** – A platform for donations. The team was involved in developing the backend finance module.

**Technologies Used** – Rest API, NodeJS, PostgreSQL.

- APIs for real-time machine data displaying and graphs data displaying.
- Data storing and retrieving.

