

Bharti Sharma

MUMBAI, India, 400084 | 08879016230 | BHARTISHARMA1996@GMAIL.COM

Summary

Enthusiastic backend developer with 4 years of experience in *web development*. Proficient with REST APIs, Web Applications, Micro Services and Database. Experience with design patterns and best practices with Golang to build deployable production systems. Motivated to learn, grow and help team achieve company goals.

Work History

BACKEND ENGINEER | 01/2019 - Current

MAGASSIANS VOIP PRIVATE LIMITED - MUMBAI, Maharashtra

- Worked on designing, development, maintenance and documentation of golang applications.
- Developed microservices in golang for reading large volume of data from PostgreSQL database.
- Responsible for generating server-side code with open API specifications using Apicurio.
- Write complex queries to fetch millions of records from PSQL, Snowflake databases.
- Used query optimization to reduce the API response time.
- Built message(event) driven architecture services to achieve decoupling of producers and consumers.
- Optimised the code using Go routines. Worked with GORM to perform DB operations and add hooks.
- Implemented prometheus for monitoring and metric collection in the services.
- Secure applications using JWT and implemented cerbos for role based access.
- Built a GORM query plan adapter for cerbos that builds the **where** clause based on the access rules configured in cerbos.
- Containerise applications using Docker. Created docker files, built docker images for microservices to run on Kubernetes platform.
- Performed debugging and exception handling in support to software development.

Technologies used: Goroutine, Microservices, Channels, godoc, Open API, GORM, NATS, PSQL, Snowflake, Azure, JSON, Docker, Cerbos, Prometheus, JWT, NATS Jetstream, go-chi router

BACKEND ENGINEER | 03/2018 - 12/2018

Teliax Inc. - MUMBAI, Maharashtra

- Re-write web pages in Ruby using Rails **framework**.
- Develop code in **MVC** architecture.
- Develop validation methods in models to validate data input by users.
- Working with models to create associations between tables.
- Writing database script files for **migration** purpose.
- Write Cascading Style Sheet and implementing it in the views / layouts as needed
- Create partials for block of html code that can be reused.
- Write Helper Functions and reuse them as much as possible to avoid **code repetitions**.
- Perform complex debugging of errors in pages.
- Follow Test Driven Development **TDD** writing unit tests.

Project Highlights

CDR Archiver - A call records archiving system which downloads over 1 billion call records per month from different sources, processes them and uploads it to Snowflake database to keep the data online for 4 years.

Circuit Inventory - Manage circuits, it's costs, revenue, metadata allocated to various customers and bought from the vendors. The system integrates with different services like billing, network management portal to aggregate and present the information.

TN Inventory: Telephone Number management system with Reporting to manage millions of DIDs, TollFree, International DIDs and International TollFree numbers, its routing and directory information. The system integrates and aggregates data with 4 different systems to get and has live updates the phone numbers and its status.

Skills

Industry Knowledge: Golang, Ruby, RoR

Technical Skills: HTTP/HTTPS, go-chi router, Docker, Azure, NATS, Web Frameworks and routers, SQL fundamentals, PSQL, Snowflake, JWT

Soft Skills: Problem Solving, Attention to Detail, Leadership, Communication, Teamwork, Self-motivation, Self-starter

Education

Shah And Anchor Kutchhi Engineering College, - Mumbai, MH | Bachelor of Engineering

Electronics And Telecommunication , 2017