

GNANESH R

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PROFESSIONAL SUMMARY

Language agnostic engineer skilled at software development with experience of understanding the requirements and taking ownership of designing, building and maintaining the solutions.

In my free time, I read novels and contribute to OSS.

WORK EXPERIENCE

Software Engineer

Golang, Postgres, RabbitMQ, Fintech, BBPS

Sept 2021 - Present

SETU

Full-time

Bangalore

- Developing and maintaing BBPS Customer Operating Unit and solely completed the certification with communication with NPCI and Axis Bank.
- Added K8s cluster integration, support for metrics and integrated elasticsearch and kibana.
- Integrated OpenTelemetry to the project which helped to detect unnecessary/slow calls.

Software Engineer

Typescript, Python, Redis, D3, Plotly

Oct 2021 - Present

Redis

Contract

Remote

- Maintaining and supporting Redisinsight
- Added RedisGraph and RedisTimeseries visualization support for RedisInsight V2 which uses D3 and Plotly respectively.
- Developing and providing technical expertise to the next version of the product.

Fullstack Engineer - 2

Python, Google Cloud, Reverse Engineering

Aug 2021 - Sep 2021

Vital

Contract

Remote

- Reversed engineered 8sleep and provided APIs and integration for the same.
- Implemented provider agnoistic dashboard APIs that just works with any provider.

Senior Software Engineer - 1

Python, TypeScript, Redis

Feb 2019 - Aug 2021

HashedIn Technologies

Fulltime

Bangalore

- Wore various hats in the complete lifecycle of the product. From technical to managerial. From development to testing to maintaining to supporting.
- Took complete responsibility to add RedisGraph, RedisJSON and RedisGears modules to the product.
- Reduced a big cypher query memory usage by 85% by converting it to equivalent scalable smaller queries.
- Implemented auto discovery of Redis servers when the application is deployed in a kubernetes environment.
- Optimized CI resources and reduced the cost by 50%.
- Fixed virus issue in the product by building a custom bootloader for the core python runtime.

SKILLS

Golang Python Rust TypeScript
C React Emacs Linux Docker
Redis Git PostgreSQL RabbitMQ
Kubernetes AWS ZeroMQ
Distributed Systems Cypher Query
Distributed Tracing
Reverse Engineering

EDUCATION

B.Tech. in Computer Science

VIT University

2015 - 2019

CGPA: 8.18

CERTIFICATIONS

- Big Data Specialization
- Machine Learning
- Deep Learning Specialization
- Mathematics for Machine Learning
- Functional Programming using Scala
- Cryptography

PROJECTS

LazyKubernetes

A TUI for kubernetes. It was one of the winning project in FOSS 2020 hackathon.

Dict

A command line dictionary with a GraphQL backend.

YOLO based Image Retrieval

Image Retrieval system based on YOLO algorithm.

Twitter Riots

Predict riots on Twitter using HashTags.

Book Miner & Analyze

Web crawler for book domain and Analysis of those books using Apache Spark.

Library Book Locator with book misplacement Detector

Book detection using RFIDs.

Raft rs

Raft implemented in rust.

Swim rs

Gossip based on SWIM protocol implemented in rust.