

# 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 II

Golang, Postgres, RabbitMQ, Fintech, BBPS

Sept 2021 - Present

SETU

Full-time

Bangalore

- Developing and maintaining 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 agnostic 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.