# 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**

📅 Sept 2021     ▦ SETU
🔧 Full-time     📍 Bangalore

- Integrated OpenTelemetry to the project which helped to detect unnecessary/slow calls.
- Added support for metrics and integrated elasticsearch and kibana.
- Used cloud native patterns for all the communications.

### Independent Contractor
**Python, Typescript, Redis**

📅 Oct 2021     ▦ Redis
🔧 Contract     📍 Remote

- Maintaining and supporting **Redisinsight**
- 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**
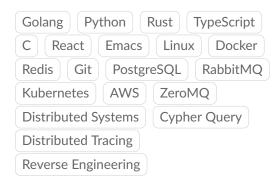
📅 Feb 2019 - Aug 2021     ▦ HashedIn Technologies
🔧 Fulltime     📍 Banglore

- 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%.
- Rewrote the windows installer of the product and handled proper version upgrades.
- 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.