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 '21 -   📍 SETU (Fulltime)

Product: BBPS COU

Description: BBPS COU is a frontend for bill payment.

Contribution:

- 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.

Fullstack Engineer - 2

Python, Google Cloud, Reverse-Engineering

📅 Aug '21 - Sep '21   📍 Vital (Contract)

Product: Vital

Description: API for at-home health data.

Contribution:

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

Senior Software Engineer - 1

Python, TypeScript, Redis

📅 Feb '19 - Aug '21   📍 HashedIn Technologies (Full time)

Product: Redisinsight 🔴

Description: A cross platform GUI fro redis and modules.

Contribution:

- 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 Emacs Rust
TypeScript C React Linux
Docker Redis Git PostgreSQL
RabbitMQ Kubernetes AWS
ZeroMQ Distributed Systems
Cypher Query
System programming
OpenBSD/FreeBSD

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.