GNANESH R

@ gnaneshkunal@outlook.com   ☎ +91-9502-477942   🔗 gnanesh.me/   ⌨ github.com/gnaneshkunal

in linkedin.com/in/gnanesh-kunal   📍 Bangalore, India

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

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 2021 - Sep 2021   🏢 Vital
🔧 Contract   📍 Remote

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 2019 - Aug 2021   🏢 HashedIn Technologies
🔧 Fulltime   📍 Banglore

Product: **Redisinsight**

Description: A cross platform GUI for 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.