



BOJJA VIGNESWAR RAO
Golang Programmer

+919121017810
contact@vighnesh.org
vighnesh.org

Summary

- 6+ years of application design and development experience in Golang.
- Contributed greatly to increases in code quality and productivity through leadership and planning.
- Researched, evaluated, and selected frameworks and tools for specific project technology stacks.
- Contributed to open source projects VirusTotal, Shodan.
- Received open source developer individual code signing certificate from CERTUM PCC.

Skills

Go, Golang, Java SE, Microservices, OOPS, Multithreading, Cryptography, Design patterns, AWS, Git, Docker, Kubernetes, Nomad, Consul, Vault, Nginx, Jenkins, SonarQube, Kafka, IntelliJ IDEA, GoLand, Windows, Linux, Mac.

Professional Experience

F5 Networks

Software Engineer III | NGINX Indigo Team

Hyderabad, IN
JUL. 2019 - Present

Description: NGINX Plus is a software load balancer, web server, and content cache built on top of open source NGINX. And has enterprise-grade features session persistence, configuration via API, and active health checks.

- Developed license API in NGINX controller to add, update, validate licenses in **Golang** that increased paid users.
- Developed Logexport service to prepare, format and deliver logs to **AWS S3** using Kafka and Nginx in Golang with HIPAA, PCI-DSS, GDPR compliances.
- Setup and Integrated **Golangci-lint** and **sonarQube** in **Jenkins** pipeline to prepare report to analyse code smells and bugs which reduced project support cost and delivered good quality service to customers.
- Setup production environment with **Nomad, Consul, Vault** in F5 infrastructure.
- Implemented support for rejecting the NGINX plus features to be used for OSS in NGINX Ingress Controller, which increased paid users by 18%.
- Developed a platform-mgr service to update the Kubernetes configuration using API in Golang.
- Added support for MaxConns, MaxFails, FailTimeout, SlowStart in Nginx-asg-sync using **AWS** SDK in Golang.
- Prepared release branches for new release versions; Written unit tests, provided documentation and examples.
- Developed a ClamAV scanner service to integrate with the cicd pipeline for scanning artifacts in Golang.
- Performed code reviews; helped and guided team members; Participated in creating stories in backlogs.

Infosys (Apple Inc)

Specialist Programmer | API Team

Hyderabad, IN
JUN. 2018 – JUN. 2019

Description: Trade-In service which allows trade-in an old handset, in return for saving on the price of a new phone contract.

- Built RESTful API Microservices using Java 8 followed by Saga design pattern.
- Implemented Abuse-Service for block malicious IP addresses in **Golang** to prevent **DDOS** attacks.
- Designed and developed **App to App Authentication (A3) solution** in Golang to prevent replay attacks.
- Developed a Gradle plugin to auto-generate java docs with UML Diagrams, so documentation time is reduced.
- Developed artifactory poll-service to download and update auto-generated service documentation.
- Worked on prototypes for opensource customizations and integrations, reduced development time and cost.
- Written Test cases using JUnit with Mockito and Powermock.

coMakeIT (Thermeon)

Software Engineer | Backend Team

Hyderabad, IN
OCT. 2017 – JUN. 2018

Description: CARS+ is a complete integrated software solution built with configurability at its core; honed to the specialized tasks of reserving, up-selling and renting vehicles for maximum efficiency and profitability.

- Built RESTful API Microservices using Beego, Gin, OpenApi in Golang, decreased deployment time.
- Implemented System Metrics, session management, authentication and authorization services in Golang.
- Written test cases using testify, assert followed by Test Driven Development (TDD).
- Proposed PayPal as Payment Gateway that created smooth transactions in platform increased users.
- Developed a transaction-status service to check failed transactions and refund, which decrease user average wait time to reuse amount, that increased business by 20%.

Description: Develop online, real-time products for global companies operating in fast-paced and dynamic industries, such as bwin, PartyPoker and Foxy Bingo.

- Upgraded services, application servers; deployed WAR, JAR files and troubleshot performance issues.
- Reduced server load by 36%; rewriting services using executor service in Java.
- Implemented a distributed Message server using WebSocket, Json, Gorilla, MYSQL and Cryptography in Golang followed by SOLID principles, to provide anonymous chat options, increased users spending time with service.
- Developed Notifier service to push product updates and notifications to users in Golang.
- Helped team members in design and develop user roles and access privileges.

Genvo Systems

Software Engineer | Backend Team

Hyderabad, IN
DEC. 2013 – MAY. 2016

Description: IRIS a lightweight case management tool for social service organizations to plan, seek and monitor services to their clients.

- Customized the Business logic of the project requirement using Core Java, Java EE 7 and cryptography followed by SOLID principles.
- Customized implementation reduced application access steps, which facilitated the application easy to use.

Open-source contributions

Virustotal (a subsidiary of **Google**)

Description: VirusTotal, a subsidiary of Google, is a free online service that analyzes files and URLs, enabling the identification of viruses, worms, Trojans and other kinds of malicious content detected by antivirus engines and website scanners.

The VirusTotal API lets you upload and scan files, submit and scan URLs, access finished scan reports and make automatic comments on URLs and files without the need of using the HTML website interface.

- Contributed and participated in open source **Virustotal** service design and development using Json, Cryptography, MySQL, ExifTool in **Java 8** and **Golang** followed by **SOLID** principles.
- API offered in Java 8, Golang; Documentation and Examples available in <https://code.vighnesh.org/virustotal/>.

Shodan

Description: Shodan is the world's first search engine for Internet-connected devices.

- API offered in Golang; Documentation and Examples available in <https://code.vighnesh.org/shodan/>.

Honors & Awards

- CERTUM PCC – Certification Authority Open source developer individual code signing certificate. FEB. 2017

Education

- B.Tech (Information Technology), Sarada Institute of Technology & Science affiliated to JNTU Hyderabad, Khammam, Telangana in 2013.