



**BOJJA VIGNESWAR RAO**  
**Java/Golang Programmer**

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[vighnesh.org](http://vighnesh.org)

### Summary

- 5+ years of design and development experience, the coding expertise of **Java/Java EE**.
- 4+ years of solid development experience, the coding expertise in **Golang**.
- Contributed greatly to increases in code quality and productivity through leadership and guidance in Test Driven Development (TDD), Refactoring, Pair Programming (Extreme Programming/XP) and Agile Estimation.
- Participated in decision-making areas beyond programming such as product design and development, hiring.
- Researched, evaluated, and selected frameworks and tools for specific project technology stacks.
- Hands-on design, development and integration experience with build APIs using RESTful, Microservices.
- Received open source developer **individual code signing certificate** from **CERTUM PCC** – Certification Authority for open-source projects.

### Skills

- Methodologies : Scrum, Agile, Test Driven Development.
- Architectures : RESTful, Microservices, Web API.
- Concepts : OOPS, Multithreading, Concurrency, Cryptography, Design patterns.
- Languages : Java, Go (Golang).
- Technologies : Java SE 11, Java EE 7, WebSocket, Json, JWS.
- Frameworks : Testify.
- Databases : Amazon DynamoDB.
- Tools : Git, Docker, OpenAPI (Swagger), CI/CD (Jenkins).
- Software's : IntelliJ IDEA, GoLand.
- Operating Systems : Windows, Linux, Mac.

### Professional Experience

#### Infosys (Apple)

Specialist Programmer | API Team

Hyderabad, IN  
JUN. 2018 – Present

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

The Trade-In service allows to input old phone model and its condition. You will then be given a price for old phone this is automatically taken off of all handset deals, so can easily see what the new contract price will be.

- Built RESTful API Microservices using Java 8 followed by Saga design pattern.
- Written Abuse-Service for block malicious IP address.
- Implemented App to App Authentication (A3) solution for an application to validate the identity of another application, validate the identity of the user of another application that is communicating with it and to prevent replay attacks even within a short time period for certain application scenarios.
- Implemented artifactory poll-service for check documentation updates and download documentation and extract it to docker mount location to be displayed in docsite-service.
- Worked on POCs for opensource customizations and integrations.
- Developed custom Gradle plugin for generating java docs with UML Diagrams.
- Written script file for automate execution of CURLs for Testing.
- Written Test cases using JUnit with Mockito and Powermock.

#### coMakeIT (Thermeon)

Software Engineer | Backend Team

Hyderabad, IN  
OCT. 2017 – JUN. 2018

**Description:** Thermeon Provides Car Rental and Reservation Solutions.

**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.

CARS+ provides to operate business from reservations to reporting; enabling link business directly to customers, partners and brokers.

- Built RESTful API Microservices using Beego, Gin, OpenApi (Swagger) in Golang.
- Written Cryptographic functions for Authentication and Authorization services in Golang.
- Implemented session management and Application to Collect System Metrics in Golang.

- Written Docker files, built Docker images and deployed microservices.
- Worked with Test Driven Development (TDD) using testify, assert.
- Done R&D proposed PayPal and Nettellar as Payment Gateways and Technology stack (Gin, logrus).
- Helped team members given guidelines in Design and Development, Performed Code reviews.

**Ivy Comptech (a subsidiary of GVC Holdings PLC)**  
*Software Engineer | Backend Team*

Hyderabad, IN  
 MAY. 2016 – OCT. 2017

**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 troubleshoot performance issues.
- Reduced server load by 36%; rewriting services using executor service in Java.
- Implemented the Business logic of the project requirement to develop action classes, Value Object classes and DAO classes using, Core Java, JDBC and cryptographic functions using JCA.
- Implemented a distributed Message server to handle 200K connections using WebSockets, Cryptography, Json, JWS, Gorilla, go-jwx, MYSQL in Golang followed by SOLID principles.
- Implemented Digital Signatures, Hashing, Encryption, Decryption Cryptographic functions 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 and Implemented the Business logic of the project requirement to develop action classes, Value Object classes and DAO classes using Core Java, Java EE 7, JPA, Servlets, Tomcat, MySQL and cryptographic functions using JCA followed by SOLID principles.

## Open source contributions

**VirusTotal** (a subsidiary of **Google** | [VirusTotal.com](https://www.virustotal.com))

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

And Not only tells which antivirus solution detected submitted file but also gives the exact detection label returned by each engine (e.g. I-Worm.Allapple.gen). and Detects false positives, i.e. Innocuous resources detected as malicious by one or more 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://vighnesh.org/virustotal/>.

## 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.