



VIGHNESWAR RAO BOJJA
Java/Go Developer

Mobile : 9848355090
Email : mail@vighnesh.me
Website : www.vighnesh.me

SUMMARY

- ✓ 3+ years of development experience, the coding expertise of Java/Java EE software development.
- ✓ 1+ years of solid development experience, the coding expertise in **Go**.
- ✓ **Open source** applications design and development experience in **Java, Go**.
- ✓ Designed and developed **open source VirusTotal public API client** in Java.
- ✓ Designed and developed **multi antivirus** engine in **Go**.
- ✓ Received **open source developer individual code signing certificate** from **CERTUM PCC – Certification Authority**.
- ✓ Excellent analytical, organizational and troubleshoot skills independently.

SKILLS

- ✓ Technologies : Java SE 8, Java EE 7, Cryptography, Blockchain, WebSockets, Virtualization, Network programming.
- ✓ Java SE : JVM, Class loaders, Collections, Generics, Exceptions, Serialization.
- ✓ Java EE : JNDI, JDBC, Servlets, JSP, JCA.
- ✓ Concepts : OOPS, Data Structures, Algorithms, Multithreading, Design patterns.
- ✓ Languages : Java 8, Go 1.7, JavaScript.
- ✓ Version Control System: Git, SVN.
- ✓ Application Servers : Apache Tomcat, Wildfly, Caddy.
- ✓ Build Tools : Maven 3, Gradle.
- ✓ Software's : Toad, VMware Workstation.
- ✓ Operating Systems : Windows, Linux, Mac.

OPEN SOURCE CONTRIBUTIONS

Title : VirusTotal Public API Client in Java
Client : VirusTotal.com (a subsidiary of **Google**)
Live URL : vighnesh.me/virustotal

Technical Environment

Languages : Java 8.
Technologies : Java Networking, Gson.
Build Tools : Maven 3.

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.

Accomplishments:

- ✓ Designed, Developed and implemented open source VirusTotal public API client in Java.
- ✓ Documented API with a clear description.
- ✓ Provided Examples for API uses.
- ✓ Optimized for maximum performance with minimum API.
- ✓ Total functionality Developed with only Java 8, without using any third-party HTTP clients.
- ✓ Designed and developed by well-known design followed by **OCP** principle.

PERSONAL PROJECTS

Title : **Mav (Multi-Antivirus)**

Description : Mav (Multi-Antivirus) is custom built multi antivirus and anti-malware scanner that analyzes files, enabling the identification of viruses, worms, Trojans and other kinds of malicious content detected by 18 antivirus engines.

Technical Environment

Languages : Go, Java (API), HTML, JavaScript, CSS
Technologies : Go networking, Websockets, Json, gdbc, Cryptography
Databases : MySQL
File characterization Tools : exiftool (It analyses files give Meta information of files)
Virtualization : Virtualbox

Features

- ✓ **Customize** for add or remove more engines.
- ✓ This may be used as a means to detect **false positives**, i.e. Innocuous resources detected as malicious by one or more scanners.
- ✓ Mav not only tells you whether a given antivirus solution detected submitted a file but also displays the **exact detection label** returned by each engine (e.g. **I-Worm.Allapple.gen**).
- ✓ **API** lets you upload and scan file access finished **scan reports** without the need of using the HTML website interface.
- ✓ Built-in **SSL/TLS with 8192-bit** encryption using **ACME protocol**.
- ✓ All engines **optimized** for **ultra-fast scanning**.

Accomplishments:

- ✓ Total functionality developed with only **Go 1.7**, without using third-party libraries.
- ✓ Designed and implemented by well-known design followed by **OCF** principle.

EXPERIENCE

- ✓ Currently working with **Ivy Comptech** As **Software Engineer – I** May 2016 to Present.
- ✓ Previously worked with **Genvo Systems India Pvt Ltd** as **Software Engineer** Dec 2013 to Feb 2016.

PROJECTS Ivy Comptech (a subsidiary of Bwin.Party Digital Entertainment plc)

1. Online gaming

Role : Java Developer
Duration : May 2016 to Present

Technical Environment

Languages : Java 7, Go, HTML, JavaScript, CSS.
Technologies : Java EE 7, Websockets.
Web Container : Apache Tomcat 8.
Build Tools : Gradle.

Description: Focuses on integrity, speed, reliability and scalability, offer complete services in Game Design, Transaction Processing, Workflow Management, Analytics, Business Intelligence, Enterprise tools and Affiliate support systems.
These services will provide regulatory info for all products like a casino, poker, bingo gammon etc.

Accomplishments:

- ✓ Refactored and scaled the server in **Go** with **websockets**, improved performance by **19%** to handle 4 billion requests.
- ✓ Upgraded services and application servers, deployed **WAR, JAR** and **EAR** files and troubleshoot performance issues using the logs.
- ✓ Developed **advanced thread pool** for send notification emails in **parallel** to suspended users.
- ✓ Worked with **Appdynamics** for monitoring alerts when services down.
- ✓ Developed and implemented the Business logic of the project requirement to develop action classes, Value Object classes and DAO (Data Access Object) classes using, **Core Java**.
- ✓ Written Linux scripts for monitoring and processing logs for the alert in Appdynamics.

PROJECTS Genvo Systems India Pvt Ltd.

1. Equilar BoardEdge BSP

Client : Equilar
Role : Java Developer
Duration : Feb 2016 to March 2016

Technical Environment

Languages : Java 8, JavaScript, HTML, CSS, AngularJs.
Technologies : Java EE 7, Servlets 3.1, JPA 2.1.
Web Container : Apache Tomcat 8.
Frameworks : Spring framework 4, Hibernate, Log4j2, Junit 4, iText.
Code Coverage Tools : Sonarqube 5.3.

Description: BSP (Board Succession Planning) is designed for Evaluate board composition and research director backgrounds to build a high-performing board.

Easily assess board composition, discover the power of the board's network, and build a high performing board using Equilar's trusted database. BoardEdge provides structure and transparency to the succession planning process.

Accomplishments:

- ✓ Configured **Sonarqube 5.3** to work with Java 8 for code coverage (**no official Java 8 support**).
- ✓ Developed and implemented the Business logic of the project requirement to develop action classes, Value Object classes and DAO (Data Access Object) classes using, **Core Java, Servlets**.
- ✓ Developed functionality for producing pdf pages using iText.

2. IRIS

Client : PCCI
Role : Java Developer
Duration : Jul 2015 to Feb 2016

Technical Environment

Languages : Java 7, JavaScript, HTML.
Technologies : Java EE 7, Servlets 3.1, JSP, JSTL, Java Mail 1.5, JPA 2.1, JCA.
Web Container : Apache Tomcat 7.
Frameworks : Hibernate, Log4j2.
Database : MySQL.

Description: Iris is a lightweight case management tool for social service organizations. It has a browser-based UI that connects to a modular, distributed server environment. In addition, it is designed to help PCCI to plan, seek and monitor services to their clients.

Accomplishments:

- ✓ Developed and implemented Encrypt and Decrypt function classes using JCA (Java Cryptographic Architecture).
- ✓ Developed and implemented the Business logic of the project requirement to develop action classes, Value Object classes and DAO (Data Access Object) classes using Core Java, Servlets.
- ✓ Developed and implemented E-mail functionality using Java Mail 1.5.
- ✓ Developed and implemented the **Data Validation** functions in Server using **Core Java, Servlets**.
- ✓ Helped team members to **Design and Develop** user **roles** and **access privileges**.

CERTIFICATIONS

- ✓ Open source developer individual code signing certificate from **CERTUM PCC – Certification Authority**.

EDUCATION

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