Exploring Software Tools like Gaelyk+JikesRVM+JI Prolog in the Context of IoT/HPC/Cloud/AI Applications – An Intelligent Informatics Framework Using Groovy Language+RVM-Research Virtual Machine+JI Prolog for Heterogeneous Environments.

Nirmal Tej Kumar

Independent Consultant : Informatics/AI/Photonics/Nanotechnology/HPC R&D.
Current Member : ante Inst,UTD,Dallas,TX,USA.
email id : hmfg2014@gmail.com

[I] Inspiration + Introduction :

http://www.groovy-lang.org/

http://gaelyk.appspot.com/

https://github.com/gaelyk/gaelyk

https://javabeat.net/crud-operations-in-gaelyk-part-1

https://www.ibm.com/developerworks/library/j-javadev2-6

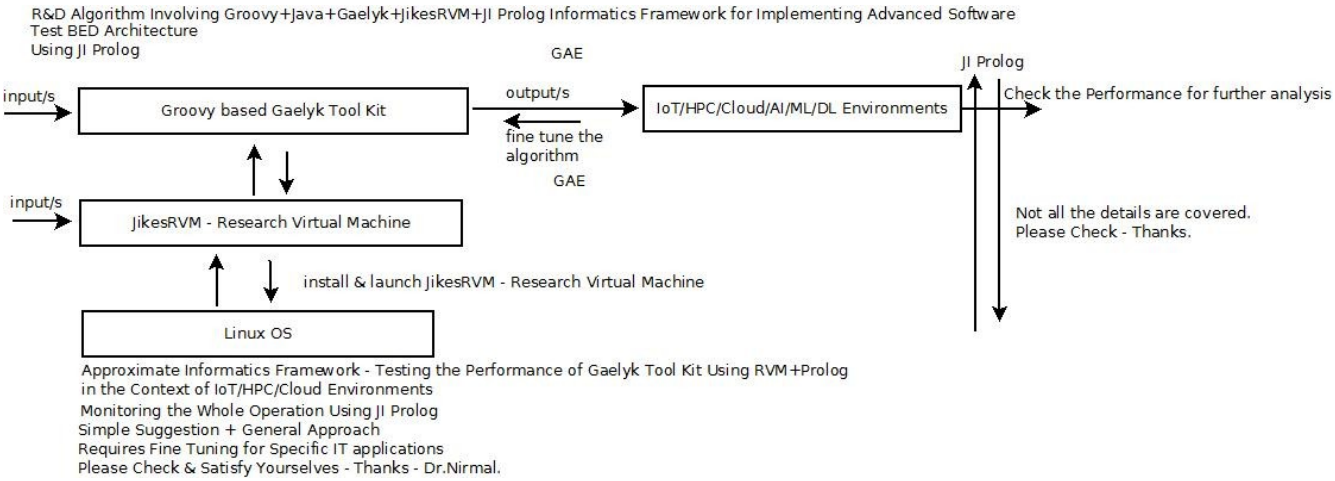
http://www.jiprolog.com/ - Java based Prolog

https://www.jikesrvm.org/ - JikesRVM – Research Virtual Machine

Google App Engine[GAE] - Build highly scalable applications on a fully managed serverless platform.

Groovy -Java-Syntax-Compatible Object-Oriented Programming Language.

[II] Our R&D Algorithm+Informatics Framework Involving - Gaelyk/JikesRVM/JI Prolog :



[Figure I – Algorithm I – Gaelyk+JikesRVM+JIProlog based Informatics Framework for Software R&D]
https://dzone.com/articles/groovy-reasonable-jvm-language
https://javabeat.net/developing-groovy-based-web-application-and-deploying-to-google-app-engine/

“Google App Engine is a Platform as a Service and cloud computing platform for developing and hosting web applications in Google-managed data centers. Applications are sandboxed and run across multiple servers. App Engine offers automatic scaling for web applications—as the number of requests increases for an application, App Engine automatically allocates more resources for the web application to handle the additional demand.” -
[Source - https://cloud.google.com/appengine/]

“The Gaelyk framework, one such framework written in Groovy, eases development of lightweight applications that leverage a datastore. And the scalability you can achieve is impressive.” -
[Source - *https://www.ibm.com/developerworks/library/j-javadev2-6*]

https://fenix.tecnico.ulisboa.pt/downloadFile/395145796597/thesisRadovan.pdf - Distributed Prolog Reasoning in the Cloud for Machine-2-Machine.

Cloud Management with Prolog - DEV Community -https://dev.to/davidko1/cloud-management-with-prolog-29d8

https://portableapps.com/apps/development/swi-prolog_portable

https://cloudbootup.com/post/cloud-management-with-prolog.html

https://github.com/mndrix/swi-prolog-on-dotcloud

https://www.swi-prolog.org

“**Groovy** is a scripting language built on the Java platform. Groovy code can either be run as an interpreted script or be compiled into Java bytecode, which can then be run anywhere that Java can. Because Groovy can use Java syntax and can use the same libraries it is very easy for Java Programmers to Learn.”
[Source - https://code.fandom.com/wiki/Groovy]

[III] Acknowledgment/s :

Special thanks to all my Friends+Mentors. Non-Profit R&D.

[THE END]