**VIGNESH RAMKUMAR**

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**Master of Science, Computer Software Engineering GPA: 3.5** San Jose State University May 2017 Expected

**Bachelor of Engineering, Computer Science** Anna University, India May 2013

# SKILLS

* **Programming Languages**: Java, JavaScript, Go, PHP
* **Web Technologies**: HTML5, CSS3, jQuery, Bootstrap, REST, JSON, XML, Ajax
* **Testing frameworks:** JUnit, Go Package testing
* **Databases**: MongoDB, Redis, MySQL
* **Frameworks**: Spring MVC, AOP, ORM
* **Tools/IDE**: Eclipse, Maven, Tomcat, Git, SVN, IntelliJ Idea, SciTE, Informatica – ETL, jMeter
* **Cloud Technologies:** AWS, Google App Engine

# WORK EXPERIENCE

**Software Developer Intern, FireEye Inc., Milpitas, CA** Jun 2016 – Aug 2016

* Developed an automated, release agnostic, solution in **Node.Js** to verify correctness of input data (syslog message) parsing by different components in the Threat Analytics Platform (TAP) pipeline
* Gathered data samples for each parsing rule in Pattern DB and ran through the current release of pipeline
* Generated a report in JSON showing differences between results of the current release and the previous release
* Designed the solution to be configurable with AWS S3/ File System and packaged in a Shell executable file

**Senior Software Developer, TCS, India** Jun 2013 – July 2015

* Automated generation of portfolio pages by fetching data from Oracle database, using **Spring MVC**

and **JPA frameworks**, configurable to user provided policies and coverage

* Developed the application for pricing analyst and pricing manager using Spring MVC, JSTL, jQuery, AJAX
* Used Java Messaging Services (JMS) to mail the status of the job triggered by the user
* Collaborated with teams spread across Texas and Mexico to successfully deliver high impact applications
* Automated testing process, using VBA, for Insurance rating application thus reducing manual effort by 50%
* Developed stored procedures, functions and views to partition Data warehousing tables

# ACADEMIC PROJECTS

## Library Management System Fall 2015

## Technologies/Tools: Java, Spring MVC, MySQL, JPA, Hibernate, Maven

## Developed a Spring MVC Web application for activities like catalog, search, circulation and waiting list

## Used Java Persistence API for managing data between Java classes and Database

## Web Development - Online Market Place Fall 2015

Technologies/Tools: Java script, PHP, HTML5, CSS3, MySQL

* Developed an e-commerce application, following REST architecture to provide users one stop shopping experience
* Designed a mechanism to retrieve data from cross domains using CURL and store data in MySQL Database
* Incorporated features such as OAUTH login, user creation and tracking, product-recommendations

**Mobile Sensor cloud – Infrastructure as a Service** Spring 2016 Technologies/Tools: AWS, Go, MongoDB, MySQL

* Developed a multi-tenant cloud application to simulate sensors, manage user - sensor subscription and sensor data
* Implemented RESTful web services using Go for handling sensor simulation and management
* Designed a dashboard, customized to each user, which displays sensor’s data, user’s subscription and billing

## Fitness Social Networking - integrated with Fitbit Fall 2016

Technologies/Tools: Spring MVC, Java script, HTML5, CSS3, AWS, MySQL

* Developed a secured social networking web application which helps users to share fitness updates with friends
* Implemented REST web services for user’s newsfeed, friend recommendation, user ranking in the application
* Incorporated features such as Search Engine Optimization, OAUTH protocol, pagination, caching and load balancing

**Social Influencers and Recommendations** Spring 2017

Technologies/Tools: Java, Graph Stream, MongoDB

* Modeled the network as a graph with weighted edges to capture the degrees of influence for people in a network
* Developing a custom algorithm to identify strong influencers and to provide recommendations to followers