JINTO JOSE

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SUMMARY

- Experience in J2EE Software Development Life Cycle of Enterprise level Web Applications utilizing Java, J2EE, JSP, Servlet, AJAX, JDBC and RESTful APIs.
- Experience in Front-End UI technologies: AngularJS, HTML, JavaScript/Typescript, BootStrap, JQuery, CSS.
- Experience in Object Oriented Design patterns, Spring MVC and RDBMS systems like Oracle, PLSQL and MYSQL.
- Developed Unit Testing Framework for AngularJS Applications using Karma, Jasmine Mocha, Chai, Sinon and Typescript.
- Developed Web Automation Testing Framework using Selenium WebDriver, Java and Jsoup.

EDUCATION

Master of Science in Computer Science   **Sep. 2016 – Dec. 2017**

University of Massachusetts, Lowell, Massachusetts.

Coursework: Machine Learning, Artificial Intelligence, Data Mining, Internet of Things, Algorithms, Mobile Robots.

Bachelor of Technology – Information Technology   **July. 2010 – May. 2014**

National Institute of Technology Karnataka, India.

EXPERIENCE

NetApp Inc   **May. 2017 – Dec. 2017**

Software Engineering Intern   *Waltham, MA*

- Developed AngularJS Modules, Controllers, RouteProviders, Directives and Services for NetApp OnCommand Unified Manager(OCUM) using Typescript, Webpack and various NPM packages.
- Reduced OWASP reported SQL injection and XSS vulnerabilities of NetApp WFA Store by 90% using PHP/MYSQL.
- Migrated Ant build files to Gradle using Groovy, reducing average Product Build Time from over an hour to 12 minutes.
- Implemented P4 Trigger Scripts with Perl that helped reduce Build failure count from 12 per month to 3 per month.

Metric Stream Inc   **Feb. 2015 – July. 2016**

Software Engineer - (Member of Technical Staff)   *Bangalore, India*

- Developed Servlets and JSP pages for Metric Stream GRC Platform M7 . Built SQL Queries using PL/SQL on Oracle 11G Database. Built AngularJS filters for the Audit Module. Debugged and fixed 2 issues/Day of the web application.
- Developed Automation Testing Framework using Selenium WebDriver, JExcel, JSoup, TestNG and Java. This reduced QA effort by 30% and raised Defect identification rate by 15% during Regression Testing.
- Improved functionalities of Bugzilla-Bug Reporting Tool(Perl) and Apache JMeter-Performance Testing Tool(JavaScript).

UMass Lowell - Web Services   **Jan. 2017 – May. 2017**

Student Web Application Developer   *Lowell, MA*

- Reduced Accessibility issues of the University Web site (Tridion CMS) by 80% in accordance with 508 compliances.

Indecomm Global Services   **May. 2013 – July. 2013**

Software Engineer Intern   *Bangalore, India*

- Configured Cron jobs, built SQL queries and created content views for Employee Management system (Drupal CMS /PHP).

Shahi Export   **May. 2012–July. 2012**

Software Engineer Intern   *Bangalore, India*

- Debugged issues in Enterprise Resource Planning(ERP) application using C++, Dot Net and MYSQL.

TECHNICAL SKILLS

- Languages: Java, C/C++, Python, JavaScript, Typescript, Perl, PHP
- Web Technologies: J2EE, Spring MVC, RESTful APIs, Node.js, AngularJS, AJAX, jQuery, MEAN Stack, Drupal/PHP, Bootstrap
- Testing Tools: JUnit, Selenium, Jasmine, Karma, Protractor, Mocha, Sinon, Chai
- Others: Oracle 11G, SQL, PL-SQL, MongoDB, IoT, Amazon AWS, MQTT, Raspberry Pi, Machine Learning, scikit-learn, MATLAB, TensorFlow, Linux, Shell Scripting, GIT, Apache Tomcat.

ACADEMIC PROJECTS

Frontier Based Exploration and Navigation of Autonomous Robot-TurtleBot   **Fall 2017**

- Improved performance of Occupancy Grid Mapping by 30% using A* Search and cluster ranking of frontier cells.

Occupancy Detection- Supervised Binary Classification using Neural Networks (Git)   **Spring 2017**

- Developed Neural Network Models to predict room occupancy using sensor readings with 93% accuracy.

Dashboard-Hidden Markov Model based Artificial Intelligence Agent   **Fall 2016**

- Implemented Q-Learning Agent to provide News/Books relevant to the user based on search activity

Smart Lock IoT System based on Raspberry Pi, MQTT and Amazon AWS   **Spring 2017**

- Developed Smart Lock with cloud based activity monitoring and remote control using MQTT and Amazon DynamoDB.

Secure File Transfer Protocol: AES-128 with Diffie-Hellman Key Exchange (Git)   **Spring 2017**

- Implemented using SSL Certificate, Diffie-Hellman Key Exchange. AES-128 Encryption with 100% Data Recovery Rate

Classification of Mushroom Species using Ensemble Learning   **Fall 2017**

- Implemented Random Forest classifier and Decision Tree classifiers to predict mushroom species with 98% accuracy.

Resource Sharing Mechanism for Distributed Systems   **Fall 2016**

- Implemented Ricart-Agrawala mutual exclusion Algorithm and analyzed the probability of Deadlocks for different Testcases.

Multi-dimensional representation of online newspaper data   **Spring 2014**

- Built Web Crawlers to collect data, built parser to refine data, Clustered data using KNN algorithm and Visualized the Data.