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Career Story

* Developed a rule engine UI using vanilla Javascript which allowed user to dynamically define rules and these rules were later used to form dynamic queries.
* Developed an AJAX based generic paging framework in vanilla Javascript which helped other developers to build UI paging quickly for grids eliminating boilerplate code.
* Proposed an idea of using self-extracting archive file for the deployment and the implementation totally eliminated the long deployment process of deploying PERL scripts manually to 80+ linux servers.
* Wrote an interpreter for the domain specific language of my project(IVR) in Java.
* Licensed the source code of Flex amCharts library and analyzed it to implement a complex functionality in IVR Charts which was not natively supported by Flex amCharts.
* Proposed and implemented a framework which allowed developers to quickly run repeated arbitrary commands in servers(checking whether an agent is running etc) and these commands are configured in an XML file and provided various means of output. An UI which can be used by developers to use this framework was later developed. An automation monitoring tool was developed on top of this framework.
* Proposed and implemented a headless browser(Phantomjs) based solution for offline distribution of IVR charts which totally eliminated the duplicate effort of building charts in servers side technologies.
* Proposed and implemented infinite scrolling in new HTML UI which used mongodb in the backend.
* Migrated the entire infrastructure from traditional Redhat Linux based Virtual machine’s to Docker containers.

Experience Summary

* Having 13 years of total experience in developing web applications using Java/J2EE technologies. Having 4+ years of Team Lead experience with a passion for gathering functional and technical details for the new requirement/change control. Efficient in getting clarifications for new requirement by doing impact analysis for the existing code. Having more than 6 years of experience in **Agile** methodology using **Scrum**.
* **Full Stack Developer** having good working knowledge in **Java8, Spring Boot, Restful Web Services, AngularJS, Oracle** and **JMS**.
* Good knowledge in **Java8** features like **Lambdas, Streams** and **concurrency.**
* Hands on experience in Web development using **Angular**.
* Good knowledge in **DevOPS** concepts like continuous Integration and continuous Delivery.
* Good knowledge in **Openshift** environment.
* Good knowledge in Linux orchestration using **Docker** platform.

Skills Summary

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| Technical Skills | |
| **Operating Systems** | Linux, Windows |
| **Frameworks** | Spring Boot, Struts |
| **Libraries** | Apache POI, iText |
| **Front End** | Angular |
| **RDBMS** | Oracle |
| **NoSQL** | Mongo |
| **Dev Ops** | Docker, Jenkins |
| **Tools** | Eclipse, Intellij, Jenkins, Maven, Git |
| **Servers** | Weblogic, Websphere, Tomcat, apache |
| **Other Languages** | Bash Shell scripting |

Relevant Project Experience

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| **Innovation Hub – Bank Of America** | |
| **Duration** | Jan-2021 to Till Date |
| **Technology** | Java 8, Tomcat 8 , Spring Boot , Oracle 11g, Angular |
| **Tools** | Intellij, Eclipse , Jenkins , Git , Maven, Openshift |
| **Designation** | Software Engineer III |

**Project Description:**

Innovation Hub is a portal which allows user to post their ideas which can be reviewed and approved by a core team and can be taken up for implementation. The portal has ability to allow multiple users comment on the idea and users can like the idea and can mark themselves as interested participant for a particular idea. The portal also actively send communication about the progress of the idea an user is interested in.

It has an advanced workflow which uses Camunda engine to do the necessary workflow in the idea approval process.

**Roles/Responsibilities:**

* Work with the product owners to understand the features that need to developed.
* Work closely with the team to arrive at the sprint goal.
* Develop the feature and take ownership for the features end to end deliver.
* Test and ensure the feature is done in UAT environment so that it can be demoed to the product owners.

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| **Innovation Hub – QA Inline Audit** | |
| **Duration** | Jul-2019 to Dec-2020 |
| **Technology** | Java 8, Tomcat 8 , Spring Boot , Angular |
| **Tools** | Intellij, Eclipse , Jenkins , Git , Maven |
| **Designation** | Software Engineer III |

**Project Description:**

Inline Audit is a project which enables the automation of the Audit process in which the operations teams document selection and critical data extraction is automated and the operations team process is completely eliminated. This was done as a POC where huge documents with masked data were given by the operations teams and these document selection criteria was run and the documents were downloaded from DCRS system and the sent to an ML model which identifies the document and extract the data from the document. The extracted data was presented in an UI which can be used to double check.

**Roles/Responsibilities:**

* Setup the POC environment with all necessary software.
* Work closely with the DCRS team to download the documents.
* Worked closely with the ML team for the document interface API.
* Developed the Drools rules for the document selection with the document meta data and document content from the ML engine.
* Worked on the UI to present the data for the Operations team to validate.

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| **Interactive View Reports – BNYMellon Technology India Pvt Ltd** | |
| **Duration** | Feb-2011 to June-2019 |
| **Technology** | Java 8, Tomcat 8 , JMS , Spring Boot , Spring Framework , Oracle 11g, Mongo DB , ELK Stack , Bash shell scripting |
| **Tools** | Intellij, Eclipse , Jenkins , Git , Maven |
| **Designation** | Project Lead Application Development |

**Project Description:**

Interactive View Reports is an analytical tool which has a built in domain specific language for working with data. SME’s/Users use the DSL to create report templates which can be used to analyze the underlying data. This templates can be applied to various data and the output can be generated as PDF/Excel/CSV/TSV/TXT. These outputs can be later distributed via mails/SFTP etc. The rich functionality of IVR lies in its inherent strength of the data analytical capabilities which allows grouping , aggregation , derived columns with DSL , filtering all which can be dynamically applied to the data. IVR also has a built in charts to visualize the data as graphs and the charts are also available offline.

**Roles/Responsibilities:**

* Built the interpreter for the DSL used in IVR in JAVA.
* Built the IVR charts in using Flex amCharts and later using Javascript amCharts in angularJS.
* Owned the entire back end of the project.
* Migrated from **Java 7** to **Java 8**.
* Migrated from Websphere to Tomcat.
* Technology Lead for 3 people.
* Interact with product team to get the requirement and build technical design document.
* Clarify the doubts from both development and QA team and work closely with QA in delivering the user stories.
* Involved in delivery management and deploy the changes to production.
* Migrated the project from Linux VM’s to Docker containers.

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| **Report Onboarding – BNYMellon Technology India Pvt Ltd** | |
| **Duration** | Feb-2016 to December 2017 |
| **Technology** | Java 8, Tomcat 8 , Spring Framework , Oracle 11g, AngularJS |
| **Tools** | Intellij, Eclipse , Jenkins , Git , Maven |
| **Designation** | Project Lead Application Development |

**Project Description:**

Report Onboarding is a UI tool that helps SME’s to develop new reports in ERS a reporting portal This portal has IVR integrated into it. This tool enables users to define report metadata which is used then to generate the reports.

**Roles/Responsibilities:**

* Built the entire UI and Backend.
* Developed an independent module which allows the report metadata changes to be pushed to a Git repository programmatically.
* Owned all the support activities.
* Implemented all the enhancements triggered by the changes brought into the portal.
* Developed the UI in angularJS and Bootstrap.

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| **Network Profiler – HCL Technologies Ltd.** | |
| **Duration** | Jan 2010 to Feb 2011 |
| **Technology** | Java , Struts , PERL , Rule Based Markup Language |
| **Tools** | Eclipse |
| **Designation** | Module Owner |

**Project Description:**

Network Profiler is system which profiles the data from the devices installed in the client’s network and provides detailed report to the client. The data from the network is collected by the system CNC which connects to all Routers and other devices installed in the network using command output , device logs , device configuration files etc. CNC sends the collected metadata from the network to NP. NP then do profile this data and provides report to the customer. It provides wide variety of information like the number of devices in the client’s network, product ID’s , the devices which has to be installed with the Cisco security patches, devices which are not following the configuration best practices recommended by the Cisco, device properties like OS, OS Version , List of device in the network reaching software or hardware end of support from Cisco. With these information the customer can pro-actively identify the potential vulnerability in the network.

**Roles/Responsibilities:**

* I was responsible for the module which loaded the data from CNS to NP.
* Designed and developed a new uploader module which loads only the latest data instead of the traditional loader which loads all data.
* The uploader which was designed and maintained by me reduced the upload timings by around 80%.
* Designed and implemented a new deployment model which reduced the deployment time drastically.

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| **Order Pool Management –Softeon India Pvt Ltd.** | |
| **Duration** | June 2007 to Dec 2009 |
| **Technology** | Java , JSP, Oracle , Javascript |
| **Tools** | Eclipse , Toad |
| **Designation** | Software Engineer |

**Project Description:**

The OPM system is intended to source orders to the best shipping location based on the inventory, DC capacity, transit time, etc. Sony Entertainment Division has several Distribution Centers at different locations and OPM will receive all their orders to identify the best Distribution center based on sourcing rules. This system will communicate to the existing systems in each DC to drop order accordingly.

**Roles/Responsibilities:**

* I was responsible for the Order Process module which loads millions of order per day.
* Also responsible for the module which finds the primary DC using rules.
* Created the UI which used to maintain the SKU.
* Created the UI which used to maintain the Order Information
* Developed the Rule Engine UI.
* Developed AJAX based generic paging framework.

**Academics**

**Master Of Computer Applications**

Department Of Computer Science, Cheppakkam, University Of Madras 74%