**Sairaja Challagulla**

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| **Duties** | **Specific Tasks** | **% of time spent Per Week (Based Upon Full Time Hours)** | **Applicable and Past Work Experience relevant to Each Duty/Task Set** | **State How Each Duty/Task Set Relates to Advances the Specific Project (State First What the System/App Does)** | **Relationship of Work to Employer – State What Specific Specialization of the Employer Your Work Falls Within** | **Level of Responsibility** |
| Analyze complex user requirements, procedures, and problems to improve existing System design. | Provide guidance to IT Partners, and customers on technical and architectural direction, methodology, design, and reuse | 10% | Studied subject like Design and analysis of Algorithms while pursuing **master’s in computer science**. | Choosing appropriate technologies is a key element of strategy formulation. Supporting activities include research and understanding applicability and scope and assessing the maturity of innovative new technologies. | We offer Product and Application Development services like Infrastructure/Application Maintenance, Data Ingestion, Data Reporting, Automation, Testing, and Delivery. Each brings to the organization a wealth of knowledge and expertise in chosen areas, a proven understanding of the industry and are visionaries in anticipating new and future trends and direction of the market place. | Telephonic, as  Required. |
| Management of build farm environment and work flow management and administration using Jenkins and IBM RTC. | Configure monitoring, optimize performance, manage capacity, and setup high available and disaster recovery solution. Lead and drive both technical and process solutions based on the business demands | 20% | Studied subjects like Data Base Management Systems through C language pursuing in **Bachelor of Technology**. | Leveraged GIT as a source code repository, configure GIT branches with Jenkins using GIT URL, web-hooks and GIT plugin, then create a Jenkins job with a scheduler using Poll SCM option in Jenkins. Once we enabled that option the created job runs based on the scheduler. These methodology tasks routine day to day tasks | We offer Product and Application Development services like Infrastructure/Application Maintenance, Data Ingestion, Data Reporting, Automation, Testing, and Delivery. Each brings to the organization a wealth of knowledge and expertise in chosen areas, a proven understanding of the industry and are visionaries in anticipating new and future trends and direction of the market place. | Telephonic, WebEx as  Required. |
| Creating a fully Automated Build and Deployment Platform and coordinating code builds promotions and orchestrated deployments using Jenkins, RTC, Docker and other Devops tools. | Code deployment, perform unit testing, source code reviews, and implement all the individual use cases for the project consistent with the approved design. | 20% | Studied subjects like Operations Research, Open Stack Cloud Architecture and Computer Architecture-I through C language while pursuing **Bachelor of Technology and master’s in computer science**. | These change request will be obtained from product requirements document (PRD), which has change request's that includes new functionality to existing applications. Before developing these new features, a Functional Specification document (functional Spec) will be developed. Functional Spec explains committed new features, new functionality’s, how new features embeds in to existing functionalities. These tasks are routine and need limited understanding. While developing, these documents will be closely observed, reviewed, verify and provide suggestions, if needed any. Once the development start’s these code changes are closely reviewed before moving new code changes to main code base. Also, suggestions will be give if needed any, until development completes for those features. | 20% | Studied subjects like Java, Data Structures in Bachelor of Technology and Data Structures and program, Advanced programming While pursuing Masters of science | These change request will be obtained from product requirements document (PRD), which has change request's that includes new functionality to existing applications. Before developing these new features, a Functional Specification document (functional Spec) will be developed. Functional Spec explains committed new features, new functionality’s, how new features embeds in to existing functionalities. These tasks are routine and need limited understanding. While developing, these documents will be closely observed, reviewed, verify and provide suggestions, if needed any. Once the development start’s these code changes are closely reviewed before moving new code changes to main code base. Also, suggestions will be give if needed any, until development completes for those features. |
| Delivering quality code that meets requirements and specifications on time. | Designed the data models to be used in data intensive **AWS Lambda** applications which are aimed to do complex analysis, creating analytical reports for end-to-end traceability, lineage, definition of Key Business elements from **Aurora.** | 15% | Studied subjects like C, C++ and Principles of Programming Languages while pursuing **Bachelor of Technology**. | Using ANSIBLE role created an ELK cluster for non-log purposes to search and analytics of product data and pricing data | We offer Product and Application Development services like Infrastructure/Application Maintenance, Data Ingestion, Data Reporting, Automation, Testing, and Delivery. Each brings to the organization a wealth of knowledge and expertise in chosen areas, a proven understanding of the industry and are visionaries in anticipating new and future trends and direction of the market place. | WebEx meeting  Weekly on every Monday. |
| Ability to accomplish all aspects of the software configuration management (SCM) process, DevOps, and Build/Release management. | Using **Git** **webhooks** and Poll SCM with Jenkins to automate **Jenkins** tasks and responsible for writing **groovy** scripts for **Jenkins pipelines.** | 10% | Studied subjects like Special Topics in Computer Science: Open Stack Cloud Architecture while pursuing **master’s in computer science**. | This includes network and communications security, user management, authentication and single sign-on, authorization, data storage security, and more. To Get more access to a wealth of security reference information including access control, data encryption, and data center integration. Use of services and tools like IAM,EC2 | We offer Product and Application Development services like Infrastructure/Application Maintenance, Data Ingestion, Data Reporting, Automation, Testing, and Delivery. Each brings to the organization a wealth of knowledge and expertise in chosen areas, a proven understanding of the industry and are visionaries in anticipating new and future trends and direction of the market place. | Email, as  Required. |
| Responsible for orchestrating CI/CD processes by responding to RTC triggers, human input, and dependency chains and environment. | Developed Bash, Shell, Perl, Python scripts with focus on Devops tools and CI/CD architecture. | 10% | Studied subjects like Software Engineering and Web Technologies through C language while pursuing in **Bachelor of Technology**. | First different sources need to be identified and tools need to be determined by using Configuration management tools. Different Solution Patterns and designs are taken into consideration while performing deployments | We offer Product and Application Development services like Infrastructure/Application Maintenance, Data Ingestion, Data Reporting, Automation, Testing, and Delivery. Each brings to the organization a wealth of knowledge and expertise in chosen areas, a proven understanding of the industry and are visionaries in anticipating new and future trends and direction of the market place. | WebEx meeting -  Every Friday. Also, will review status report and conduct appraisal. |
| Writing Docker files to create images based on the requirement of the component dependencies and the environment. | Installing, Configuring, Managing, Monitoring Tools such as **Splunk, Nagios** for **Resource d/Network Monitoring/Log Trace Monitoring.** | 15% | Studied subjects like Linux Programming and Object-Oriented Programming through C language while pursuing in **Bachelor of Technology**. | Supporting an application is as essential as Deploying an application. We need to make sure application is available running 24/7 without any failure and perform integration on the application. | We offer Product and Application Development services like  Infrastructure/Application Maintenance, Data Ingestion, Data Reporting, Automation, Testing, and Delivery. Each brings to the organization a wealth of knowledge and expertise in chosen areas, a proven understanding of the industry and are direction of the market place. | Email, Telephonic as  Required. |
| **TOTAL** |  | **100% (40 hrs./week)** |  |  |  |  |