



GE Renewable Energy

Kathryn Verna

Director, Software Engineering
Renewable Energy Digital Services
General Electric Company
1 River Rd, Schenectady NY 12345, USA

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To
Department of Homeland Security,
U.S. Citizenship and Immigration Services

Dear Sir or Madam:

General Electric is submitting this letter to confirm that the continued services of **Mr. K V L N Raghu**, an employee of Tech Mahindra (Americas) Inc., are needed at **Schenectady, New York, USA** in the position of **Java Programmer**.

Mr. **K V L N Raghu** will be an employee of **Tech Mahindra (Americas) Inc.** His work at **Schenectady, New York** will be overseen by a manager from Tech Mahindra (Americas) Inc. and his pay & time will be administered by Tech Mahindra (Americas) Inc. He has been a part of the following General Electric Company projects, since 2016. The following are the activities that will be carried out by Mr. K V L N Raghu

Assignments at Onsite (in the United States)

The Associate has a proven record of accomplishment in the technology competence and is poised to add significant value to the projects. The associate has in-depth knowledge AWS. The Associate has handled various customization, development, enhancements and testing assignments using this framework. Raghu Kandukuri has played a crucial role in various AWS Data pipeline projects.

Mr. Raghu Kandukuri current and future assignments **General Electric Company** are to manage supporting operations for a critical internal web application. He ensures the smooth product development and validation of all the technical, functional and production deployment issues and effectively communicating with the offshore team for resolution of issues during the product development.

Mr. Raghu Kandukuri has already been working on the projects related to GE Renewable Energy from offshore for the past 5 years. His roles and responsibilities are:

- Research on new technologies, develop the POC (Proof of Concepts) and based on that implements the product features.
- Document design specifications, installation instructions, and other system-related information.
- Be the main point of contact of end-users in America and Europe region in case of any data ingestion and data availability in S3.
- Consult with managerial, engineering, and technical personnel to clarify program intent, identify problems, develop feasible solutions
- Perform ongoing refactoring of code, utilizing visualization and other techniques to fast-track concepts, and delivering continuous improvement.

His time is split amongst the above responsibilities in the following manner:

Requirement gathering, understanding and, Analysis. Preparing high-level design and prototype (30%)

- Gather and analyze user needs and software requirements per GE guidelines to determine the feasibility of control design.
- Analysis of Features and User stories specified.
- Document design specifications, installation instructions, and other system-related information.
- Develop, document and revise the system design procedures, test procedures, and quality standards.
- Develop high-level detailed workflow charts and diagrams that describe the input, output, and logical operations. Convert them into a series of instructions coded in technical software language.



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Application development, enhancement and Testing (40%)

- Spring boot automated job running to ingest the data through AWS data pipeline.
- Testing - unit testing, integration testing and performance testing.
- Verify the data ingested to S3 by automated job through AWS quick site.
- Maintain the AWS data pipeline and look for complete data coverage.
- Data completeness is targeted to be more than 99%.
- We have Quick site dashboard to track the data completeness for the 20000+ assets.
- Create test plans and perform unit and regression testing on the applications.
- Monitor the performance of the code base frequently to avoid performance issues.

Application development, enhancement and Testing (40%)

- Implement and execute Unit Testing, Integration Testing and deployment to improve the required software architect designs.
- Create Continues Integration and Continues Deployment jobs to deploy application using Jenkins.
- Preparing the release notes for deployment in Pre-prod and Prod environments.
- Responsible for overseeing the Quality procedures related to the project.
- Provide technical guidance or support for the development or troubleshooting of systems.
- Plan, Design and Implement security measures to protect computer systems, networks, and data.

Preparation of Technical/Business documentation (5%)

- Prepare documents for Technical design processes and post-implementation documents.
- Prepare Technical and Business processes documents for Bug-Fix, Maintenance, Stabilization, and Development work.
- Analyze complex technical issues, risks and limitations for the present and future deliverables.

Onsite- Offshore Coordination/Status Review and meetings (5%)

- Coordinate with the onsite and offshore team during development, testing, deployment, and support.
- Coordinate with users and vendors in case of production issues.

GE Renewables Energy's GR Development, project mainly focuses on the streaming the non-edge sites data to AWS data pipeline. We have around 20000+ turbines data streaming from sites which are handled through the AWS data pipeline and store the data in S3.

Tech Mahindra Americas Inc. will be responsible for paying, hiring, firing, supervising and controlling the work of **Raghu**. He will receive all instructions and directions from Tech Mahindra (Americas) Inc, Project Manager: **Mr. Arumugam, Raja Manjunathan** , E-Mail ID : raja.arumugam@techmahindra.com, Ph.# +1 518-225-6229.

Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Sincerely,

Kathryn W Verna

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