**Beneficiary Name:**

Mr. Moole MadhanMohan Reddy

**Work Location**:

Tavant US Address

Tavant Technologies, Inc.

3965 Freedom Circle, Suite 750

Santa Clara CA  95054

United States

**Client Name and address:**

Tavant Technologies, Inc.

3965 Freedom Circle, Suite 750

Santa Clara CA  95054

United States

Name of the Beneficiary’s Manager @ Client site: Ravi Peravalli

Contact Number of Beneficiary’s Manager @ Client site: 001-510-673-4668

Name of the Beneficiary’s Manager @ Tavant: Raghavendar R

Contact Number of Beneficiary’s Manager @ Tavant: 080-41190300

Number of Hours: 40 Hours/Week

**About TAVANT:**

Tavant Technologies, a provider of IT services and software solutions was established in February of 2000. It develops and sells application software and collaborative commerce products that enable businesses to manage, streamline and enhance multi-level distribution channels. In addition to Tavant’s corporate headquarters, they also operate a software development center in Bangalore and in Noida, India.

Tavant has been recognized globally for its innovative solutions, people practices, growth and for its contribution to the open source forum. Tavant specializes in building solutions and providing end-to-end services in the domain of Service Operations, Consumer Lending, eBusiness, eMedia, Interactive Entertainment and Trading & Securities. Tavant’s core expertise lies in Business Process Automation and Web Technology-based complex application development.

**Project Description:**

**BIG DATA CoE:**

* In-order to build some strong and highly technical experts to provide leadership, best practices, research, support and/or training for a BIG DATA technology, TAVANT formed CoE team. Which will make sure all the BIG DATA projects are being developed with high quality, proper design practices with minimal issues.

Following are key responsibilities of the Team,

* Define and follow the industrial best practices and ensure other BIG DATA projects are implementing the same.
* Understand the complete design/implementation of the tools and ability to custom the functionality to match client requirements.
* Research and pursue sound knowledge on latest tools and technologies in BIG DATA.
* Analysis the tools in-terms of performance, fault-tolerance, design details and document the same for other projects.
* Provide a memory and time efficient solutions for critical issues whenever required by other BIG DATA projects within Tavant organization.

Throughout the duration of this project at company’ office location, **Mr. MOOLE MADHANMOHAN REDDY** has been, and will continue to be, controlled and supervised by **Ravi Peravalli (supervisor from Tavant Technologies, Inc.).**

**Beneficiary Responsibilities:**

* Assist in the development, design and implementation of application systems using BIG DATA architecture. Serve as member of a project team or as an individual contributor when assigned.
* Assist in designing of complex, global or strategic development projects. Identify and address interfacing functions and applications.
* Perform application systems development tasks which include working with users to define system needs, analyzing and designing applications to meet user needs, translating logic diagrams into program statements, deploying and implementing packages and conducting research in emerging technologies.
* Design, code, test, debug and document programs.
* Provide computer program, system development and technical support for very complex, highly critical programs and systems. Plan and coordinate tests, resolve production problems, identify opportunities to improve systems and architecture.
* Initiate system analysis, lead the definition of user requirements and assesses impacts. Determine alternate solutions with risk analysis and identify opportunities to use technology to improve availability and advance business initiatives.
* Coordinate development activities, evaluate and report performance of project.
* Maintain proficiency in programming languages, program development, testing and serve as an expert in area of responsibility.
* Provide technical analysis and solutions to issues and technical direction.
* Utilize technical expertise to manage multiple assignments, including large and critical projects to assure timely and cost-effect objectives delivery.
* Schedule and prioritize work and plan a sequence of development activities that accomplish the planned targets. Set priorities and provide reports to the management.
* Mentor team members in design and analysis activities.
* Assist in the training and orientation of other staff and end users.

**Following is the detailed itinerary of the beneficiary for the entire period requested:**

|  |  |  |
| --- | --- | --- |
| **Period of Service** | **Service engagement details** | **Project/Location** |
| Oct 01, 2015  to  Sept 30, 2018 | Beneficiary is engaged in delivering following services:   Assist in designing of complex, global or strategic development projects. Identify and address interfacing functions and applications.   * Researches available open source tools and emerging technologies to provide innovative solutions to application systems. * Perform application systems development tasks which include working with users to define system needs, analyzing and designing applications to meet user needs, design and review Technical/Functional documents and provide sign off, preparing flowcharts and diagrams to illustrate logical sequence, translating logic diagrams into program statements using Ruby/Rails Components, design logical database modeler and implement using ORM, automate deployment & build process. * Design, code, test, debug and document programs. * Creating rule based business components to identify which customer data needs to be sent to Account Updater partner. * Coordinate development activities, evaluate and report performance of project by Generating Business user reports to identify the overall success rate. * Analyze and fix defects found by QA & Product owners and work closely with Quality Assurance Team to close out all open defects. * Validating the overall System functionality to meet business needs. * Continuously improving the code quality & performance improvements. * Deploying the code in Amazon EC2/ Heroku cloud. * Creating an effective logging mechanism * Creating a rule based event mechanism to alert support & administrators for any suspicious activity. * Train the support & Business teams to help understand the product usage. * Migrating the code from Development to QA and from QA to production. * Generating unit test cases and generating code coverage analysis for the code developed. * Create a Production support plan.   Beneficiary will be using technologies and tools such as:  Languages : JAVA, Ruby on Rails, Jruby, XML/JSON, Jquery.  Database : MySQL, PostgreSQL, Cassandra  BIG DATA: HADOOP, SPARK, HIVE, HBASE.  GUI : QtRuby & FXRuby  Tools: GIT, Jenkins, Nginx, Gerrit, Cucumber, Rspec & newrelic.  O/s : Linux | **Project Name:**  BIG DATA CoE  **Work Location:**  Tavant US address  Tavant Technologies, Inc.  3965 Freedom Circle, Suite 750  Santa Clara  CA  95054  United States |

If you need more information, please contact our attorney.

Thank you for your anticipated cooperation.

Thanks & Regards