



## TATA INSTITUTE OF SOCIAL SCIENCES

V.N. Purav Marg, Deonar, Mumbai 400 088

(A Deemed University under Section 3 of the UGC Act, 1956)

**Advertisement no. - TISS/ITSMC/SOFTDEV/NOV2018 Date: 7<sup>th</sup> June 2019**

**Last Date of Receiving Application: 25<sup>th</sup> June 2019.**

The Tata Institute of Social Sciences (TISS) which was established in 1936 is a Deemed to be University fully funded by the University Grant Commission (UGC), Government of India. TISS offers Master Degree Programmes, M. Phil. And PhD Programmes in the field of Social Work, Social Sciences, Health, Management, Labour Studies, Habitat Studies and Rural Development from its Mumbai, Tuljapur, Guwahati and Hyderabad Campuses. The institute is currently looking for bright candidates to work with the IT Services Management Centre for managing the Data Centre and Software development.

### **Applications are invited for the post of:**

- 1) Sr. Software Developer (2 No.)
- 2) Software Developer (2 No.)
- 3) Web and UI Designer (1 No.)
- 4) System Administrator (1 No.)
- 5) DevOps (1 No.)

The above positions will be filled on contract basis for a period of one year which may be extended and will be recruited based on the availability of post or provisions.

### **1. Sr. Software Developer**

#### **Qualifications:**

Masters in Computer Applications (MCA) or B.E./B.Tech.  
(Computer science / IT) with minimum of 65% aggregate marks

#### **Skills and Experience required:**

1. Candidates must have experience in developing web based applications specifically using Java / Python, Struts/ Django, postgresql / mysql.

2. Experience of working with java script, jquery , CSS, html and ajax
3. Experience in working with version control systems like GIT, SVN (preferred).  
Should have minimum one year experience in Project Management team.

**Duties and Responsibilities:** To develop and manage applications, training, testing and documentation of developed applications in Java/Python and DB

**Salary:**

1. Rs. 55,000/- to 63,000/- (consolidate salary per month).

## **2. Software Developer**

**Qualifications:**

Masters in Computer Applications (MCA) or B.E./B.Tech.  
(Computer science / IT) with minimum of 55% aggregate marks

**Skills and Experience required:**

1. Candidates must have **more than 1 year of experience** in developing web based applications specifically using **Python, Django**.
2. Experience of working with javascript, jquery , CSS, html and ajax
3. 3. Experience of working with version control systems like GIT (Preferred).

**Salary:**

Rs. 35000/- to 40,000 (consolidated salary per month).

## **3. Web and UI Designer**

**Qualifications:**

BE/ B.Tech BE/ B.Tech

**Skill and Experience required:**

1. Excellent knowledge of web markup including HTML5 and CSS3.
2. Excellent knowledge of Javascript (es5/es6) and jQuery
3. Ability to build responsive webpages
4. Knowledge of Bootstrap and a design language like material design
5. Good eye for aesthetics: layout grid systems, colour theory and typography
6. Good understanding of UX principles and UI Development process
7. Minimum 1 year of experience in above mentioned skills.

**Salary:**

Rs. 30,000/- to 35,000/- (consolidated salary per month)

**4. System Administrator****Qualifications:**

B.E./B.Tech. Computer Engineering or Science Preferably with linux administration certification (Redhat).

**Skills and Experience Required:**

1. A hands on understanding of a GNU/Linux distribution preferably Debian or Ubuntu, Strong command of the BASH shell commands, Strong command of at least one shell based editor preferably vim or emacs, Strong understanding and command of the GNU/Linux user/group/other permissions and ownership at PAM and structures, units and divisions at LDAP levels, Strong understanding and command of the GNU/Linux ext3/ext4 file system and hierarchies, Shell scripting, along with minor sed and awk skills is a bonus, Strong understanding and command of Apache, SSH(D), SAMBA, LDAP, Cyrus IMAP, Postfix, Dovecot, Round Cube administration and deployment
2. Handle the hosting environment including routine updates and planning and management of longer-term infrastructure upgrades
3. Management of the storage infrastructure including backups and general IT maintenance
4. Software management (updates and configuration; scripting & automation) of a live hosting infrastructure.
5. Manage the Data Center and Data Redundancy centre and Servers in Cloud Environment.

**Duties and Responsibilities:**

1. Installing and configuring software, hardware and networks.  
Monitoring system performance and troubleshooting issues. Ensuring Security and efficiency of IT infrastructure.
2. Provide technical support for both hardware and software issues our users encounter
3. Manage the configuration and operation of client-based computer Operating systems
4. Monitor the system daily and respond immediately to security or usability concerns
5. Create and verify backups of data
6. Respond to and resolve help desk requests
7. Upgrade systems and processes as required for enhanced functionality and security issue resolution

8. Administrate infrastructure, including firewalls, databases, malware Protection software and other processes
9. Review application logs
10. Install and test computer-related equipment
11. Minimum more than one year of experience on above mentioned skill set.

**Salary:**

Rs. 30,000/- to 35,000/- consolidated salary per month.

## **5. DevOps**

**Qualifications:**

B.E/B. Tech, Bsc IT/CS

**Requirements:**

- Good to have Experience of networks, security, load balancers and DNS
- Great knowledge and experience working and support cloud based services (either AWS or similar Cloud technologies)
- Understand HA,DR, Auto scaling and Self Healing methods for enterprise web platforms
- Experience using and build pipelines using tools such as Jenkins/Code Build/Code Deploy/Code Pipeline.
- Experience of monitoring tools such as Cloud Watch/Nagios or other open source
- Excellent verbal and written communication skills
- Experience of Agile development workflows
- Experience in configuration management apps like Ansible/Puppet/Chef
- Must have experience in Container technology, e.g. Docker, Kubernetes etc
- Good leadership and project skills
- Scripting languages\ code development skills

**Key Accountabilities:**

- Cooperate with IT-service for development friendly operation.
- Based on IT-systems establish, improve and maintain DevOps-Services (Artifactory, Git-based SCM, Jenkins, Code Analysis, RQM, Containerisation with Docker/Kubernetes etc etc).
- Be aware of safety critical requirements (ISO 26262) and a long product lifecycle
- Combine existing workflows with latest DevOps approaches (PTC Integrity/MKS for source, requirements, tests and project management)
- Roll-out, support and communicate your work to the people

## **Skills & Experience required:**

- Good experience developing, integrating, testing software for embedded devices (in C/C++)
- Admin for Windows7-10-Desktops, Linux-Servers (RedHat or others)
- Network-knowledges TCP/HTML/REST and applications LDAP/AD/Proxies
- Scripting: Powershell, Batch, Bash, Makefile, CMake, XML, JSON and whatever needed in particular
- Programming Languages: understand building of C/C++, Python, Javascript and willing to learn new ones
- Packages: Know Gradle, Conan, Pypi or Maven how to use and setup in general
- Docker, Docker-Compose, Kubernetes or OpenShift, Windows Container, Jenkins-CI, Gitlab/Gitlab-CI
- Tools: Eclipse, gcc-like compilers, statical code analysis
- PTC Integrity application knowledge
- Experience in engineering of automotive electronics is an asset
- Experience / knowledge of safety related engineering processes and methods

## **Responsibilities:**

- Design, build and support the infrastructure to support Group Digital Platforms applications and supporting systems
- Support CI/CD tooling for technical teams to be able to build and deploy using pipelines
- Look to develop strategies and improvements around cost optimisation and usage reporting
- As part of your service introduction and transition responsibilities you will be expected to coordinate the build and deploy of new application environments in conjunction with Project Delivery, Enterprise Architects, Application Support teams and 3rd party suppliers.
- Collaborate with Development Teams where code changes are required to resolve defects and ensure services are released into production in a controlled manner.
- Responsible for adhering to Change and Configuration management processes, ensuring all changes are reviewed for quality, rigorous testing and contingency/back-out planning, and that any supporting documentation is fully updated and to the agreed quality standard prior to implementation.
- Responsible for monitoring and detection of all parts of the technology landscape (server, network, end user experience, application health, etc.)
- Responsible for issue and incident management; including SLA monitoring & reporting and compliance trend analysis.

## **Salary :**

Rs. 30,000/- to 35,000/- consolidated salary per month.

Note: Please send a copy of your CV/Resume while applying in online from your registered mail id with TISS recruitment to [recruit-itsmc@tiss.edu](mailto:recruit-itsmc@tiss.edu) subject should be: **to the Post applied for. Example: Software Developer**

Upon confirmation of the post candidate will have to sign a bond for a period of 1 year.

The last date for applying is 25<sup>th</sup> June 2019 5:00 PM.  
For any queries, please write to [recruit-itsmc@tiss.edu](mailto:recruit-itsmc@tiss.edu)