**PC Santhosh**

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## Career Objective: Seeking Innovative and challenging career in the professionally managed dynamic organization, which provides the best opportunities for the all-round development and greater responsibilities to contribute towards growth of organization.

## Professional Summary:

* **9+ years** of Experience in in Investment banking/Exchange domain and Good working Experience with Programming Languages such as **PYTHON**, **SHELL** and **SQL**
* Working as **Technical Specialist** with **ACTIAN CORPORATION**
* Worked as **Site Reliability Engineer** with **MORGAN STANLEY** across platforms and enhance them ensuring high availability and stability for business
* Worked as **Site Reliability, Systems Engineer** with **CHICAGO** **MERCANTILE EXCHANGE (CME GROUP)** enhancing **Trading Platform** and program per business requirements ensuring high availability and stability of business platforms
* Worked as **SME** on Back Office operations of Interest Rate Swaps (IRS) and Credit Default Swap (CDS), FX instruments with **SOCIETE GENERALE** GSC
* Worked as **System Engineer** with **Tata Consultancy Services** LTD for 4 years with the Client **Credit Suisse** on Credit Risk applications for Front Office and Middle Office users

***Skills:***

* Possess strong knowledge on Trade Life Cycle (FO/MO/BO), Clearing & Settlement Operations) with expertise in functional domain
* Program using **PYTHON, PYTEST** as per requirements, support/enhance Trading Platform
* Enhance existing programs by incorporating **Python Multithreading, Multi Processing** techniques
* Possess strong knowledge on **LINUX**, **SHELL Programming**, **SQL**
* Possess fair knowledge on **GIT, OOPS in** **PYTHON** with **good Trouble Shooting** skills
* Possess good knowledge on **JENKINS, DOCKER,ANSIBLE,KAFKA,AWS** as part of **CI/CD** and **Cloud practices** with exposure to **HADOOP**, **KUBERNETES ,TERRAFORM, REST API**
* **Handle & Automate Migrations, Deployments** as part of **Release Management** process
* Strong passion for **Automation, with strong sense of ownership and responsibility**
* Possess knowledge on **SDLC&STLC, Incident & Release Management**
* Networking Knowledge: **TCP/IP, UDP, Unicast, Multicast, Broadcast etc.**
* Deploy, maintain, and run a highly-available system by Automating infrastructure and application deployment across environments

*Professional Experience:*

**MORGAN STANLEY:**

Technologies: PYTHON, LINUX, Oracle, Basics of Java, Jenkins

***Roles and Responsibilities***

* Enhance Environments by developing necessary programs using PYTHON per requirements
* Enhance and Stabilise Environments assuring Quality and testing bringing all stake holders under same roof ensuring accuracy, stability and reliability across platforms
* Partner with engineering team to ensure that applications are designed with operability & scale in mind
* Provide Solutions by developing necessary programs starting from gathering requirements to final delivery as part of automation/enhancements across platforms
* Ensure high level of accuracy, stability and efficiency of platforms and environments
* Identification of errors, reliability issues and driving root cause to avoid repeat of incidents
* Analyse the issues across Environments with necessary trouble shooting and root cause analysis ensuring issues are fixed before rolling to Production
* Automate build and deploy process across environments avoiding human intervention
* Attend stability calls with various stake holders addressing issues thereby ensuring high availability of environments
* Strong passion for Automation, analyse the issues with strong sense of ownership and responsibility there by increasing the stability of applications across platforms

***Honours and Awards:***

1. Delivered practical presentation on "**Python Multithreading and Multi Processing depicting the impact of Global Interpreter Lock (GIL) and IPC**” this was well appreciated by the participants

**CHICAGO MERCANTILE EXCHANGE (CME GROUP)**

**GLOBEX:**

**Technologies:** PYTHON, LINUX, Oracle, AWS, Docker, Networking, Basics of Java, Kafka

***Project Synopsis***

GLOBEX is premier Electronic Trading system to trade Futures & Options across all asset classes.

***Roles and Responsibilities***

* Enhance GLOBEX Platform by developing necessary modules and provide End to End solutions using PYTHON
* Support Trading platform and handle Critical Incidents, take preventive action and quick resolution to minimize the downtime, and carry out problem management
* Stabilise QA and NON-QA environments which includes deployments, assuring Quality and for testing bringing all stake holders under same roof ensuring high availability
* Understanding the issue and working with different teams on bridge call to resolve the issue
* Environment Developments/Enhancements and Customer Deliverables:

QA with NON-QA Sync, QA with NON-QA Version Comparison, Auto archival of logs/files

* **Converting Crisis into Opportunity: Interface Report** which reports interface status on the machines after patching preventing fallouts ensuring high availability of environment
* **Bringing Ideas to life: Application Auto Restart, Market Data analysis** led to prevention of incidents by considerable amount, avoiding human intervention and manual efforts

***Honours and Awards (Proofs attached at the end for reference)***

**1. Certificate of Recognition: Excellence Award** for efforts in Innovation from conceptualizing the idea to incorporating end product deployment across environments

1. **Spot Award** for week on week Market Data analysis reports

***Training and Certifications***

* Represented CME Group at **“DEVOPS INDIA SUMMIT 2018”** held at Marriott Hotel Whitefield, Bengaluru on 31st Aug & 1st Sep 2018

**SOCIETE GENERALE: IRD/CDV**:

**Technologies:** LINUX, Oracle, Shell Scripting, Basics of Java

**Project Synopsis**

X-ONE is a Front to Back Trade processing application. X-ONE allows managing the following financial instruments:

1. IRD (Interest Rate swaps), Credit Derivatives (Credit default Swaps)
2. Foreign Exchange (FX Spot, FX Forward, FX Swap and FX NDF)

***Roles and Responsibilities***

* Subject Matter Expert in Back Office operations of IRD, CDS and FX instruments
* Operations (Trade Confirmation, Settlement, Reconciliation, Accounting)
* Confirmation - Fax and E-mail confirmations for IRD deals and DTCC for CDV deals
* Settlement - Swift and CLS settlements along with CDS Roll and FOBO reconciliation
* Handle Critical Incidents and taking preventive action and quick resolution to minimize the application downtime, and carry out problem management
* Enhancements: Front & Back office breaks, EOM check

***Honours and Awards***

1. Delivered a speech on **“Digital Transformation – Investment Bank”** as part of **Maha Sangamam** organized bySociete Generale and received a Standing Ovation from 100 around participants including Global Head along with Paris and Bangalore counterparts.
2. Delivered Domain session on **“Credit Risk”** which was well appreciated by higher level management.

**TATA CONSULTANCY SERVICES**

**Client: Credit-Suisse Fixed Income Derivatives**

**Technologies:** Oracle, LINUX, Shell Scripting, SQL

***Project Synopsis***

Titan is a Global Futures Credit Risk Management System. Titan being a risk system calculates risk and load trades in DRD (Derivative Results database).

**Onsite Experience:** Worked for 2 months for Credit Suisse-Singapore on behalf of TCS

***Roles and Responsibilities***

* Prior testing of the enhancement and value added requests in UAT environment. Apply the changes in Production and BCP through request for change (RFC) in Global Change Management (GCM)
* Analyse SQL concepts and generate risk reports based on region, trader etc. and stored procedures to identify the root cause of issues, ad-hoc reports based on client request
* Active participation in QMW and DR related activities of Applications

***Honours and Awards***

* **APAC PTG AWARD 2015 on 19th Jan 2015:**

Received “APAC PTG Award 2015” from “Head of Production Services Asia-Pacific

(APAC) - Credit Suisse” for Proactive Approach and Dedicated Efforts towards excellence.

* Pursued “TCS Business Domain Academy” course Foundation certificate in Banking with “**A**” Grade in March 2013.

***Career Achievements:***

  ***Declaration***

I hereby declare that the information mentioned above is correct to the best of my knowledge.

Santhosh PC