###### **Deepa Periasam**y

###### Email: [deepasenthil06@gmail.com](mailto:deepasenthil06@gmail.com) | Mobile: 07941606665

**LinkedIn:** https://www.linkedin.com/in/deepa-periasamy-49503823

**GitHub:** https://github.com/deepatesting/TTA.git

###### **In quest of deserving** roles **in** Data Science **with a technology driven organization using my** previous knowledge.

###### 

###### PERSONAL STATEMENT

I am an enthusiastic, motivated and analytical data professional who is keen on looking for entry level data science positions that will utilise my recent internship experience with Tech Talent Academy and previous professional experience. I am delighted to apply for the job opportunity at your setting.

###### **PROFESSIONAL SUMMARY**

* Current Internship experience in **Tech Talent Academy’s Data Academy programme** learning Python fundamentals, including key data science libraries such as Numpy, Pandas, SciKit, and Tensorflow. In addition to this I am gaining a solid grounding in machine learning algorithms, relational database management (SQL), data visualisation/business intelligence packages such as PowerBI, and R programming language.
* Completed ‘**Automated Testing with Python**’ online udemy course in 2020 and gained Test Automation skills using **Selenium** in python.
* Have participated in the **Returning Talent Workshops 2016** offered by Bank of America Merrill Lynch and in **Credit Suisse's Real Returns 2016 Open Day**.
* Previous **5 plus years** experience in the financial domain with **2 years** in **GLOSS** **Post Trade Settlement System** and **3+ years** in NetExchange Client Front End Application System in **Software Design, Programming and Testing** using C/C++, Sybase on UNIX(Solaris) platform from 2004-2010.
* Experience in **developing** **Front-end Web** applications for IBDs using Pershing specific PCFN architecture on NetExchange platform to perform online brokerage services.
* Experience in Functional specification **analysis**, Technical **design** preparation, Code **Implementation**, **Testing** and Delivery using versioning tools like IBM Rational Clear case.
* 2 years of **Production Support experience** with GLOSS and CheckFree Recon Frontier Application (Admin, Recollector and Recon modules).
* Experience in working under cross-cultural environments. Comfort in interacting with people across hierarchical levels for smooth project execution.

###### EMPLOYMENT AND TRAINING

I have had 5 plus previous experience in **iNautix Technologies India Pvt Ltd, Chennai, India** from Nov '2004 till June 2010 as a **Front-end Developer**. I had an extensive break due to my parental responsibility, now I am ready to get back to work and available immediately to join. Since 2011, I have been doing **Volunteering** at different schools.

**TechTalent Academy, Data Science - Oct 2021-Jan 2022**

An intensive 14-week programme, focused on the fundamentals of data science delivered through a combination of interactive group learning and home learning tasks. During the programme I built strong skills in the manipulation of data using **Numpy** and **Pandas** whilst being able to visualise the data using **Python libraries** including **matplotlib**, Altair and other software packages such as **Power BI**.

###### **TECHNICAL SKILLS**

Operating System : Windows XP, Windows 2000, Sun Solaris (UNIX)

Programming Languages : UNIX, C/C++, Python

Database : Sybase 12.5, MySQL

Tools & Scripts : Selenium using Python, Cucumber, shell scriptsI(Ksh,Zsh), python

###### **ACADEMIC DETAILS**

* **Bachelor of Engineering (B.E)** **with 85%** - *Computer Science and Engineering* – Bharathiyar University, India – 2004

###### **PROJECT EXPERIENCE**

###### **PRODUCT NAME: GLOBAL SETTLEMENT SYSTEM (GLOSS)**

Client : **Pershing LLC (Subsidiary of Bank of New York Mellon), USA**

Duration : July 2008 – May 2010

Environment : UNIX, C, SYBASE SQL, KSH script

Team Size : 6

Gloss is a third party (Broadridge product) s/w bought by Pershing for supporting non-dollar trades.

Gloss is an integrated, real time settlement system that handles the trade capture, transmissions to and from clearing agencies, settlement, accounting and reporting and control functions for financial institutions trading in all major types of instruments for large volumes of trades.

**Responsibilities:**

* Prime responsibilities include GLOSS feature enhancement and maintenance, Production Support activities and Remedy Fixes.
* Analyzing business requirements, project planning, converting requirements into technical design.
* Project implementation, Test procedure document preparation, Test cases execution and Unit testing in development environment.
* Working closely with the team in development as well as providing feedback on performance improvement, investigation and resolution of production issues.
* Coordination with SQA team in managing the project release into different environments from UAT to Production.
* Monitor and Support work on Night Batch Production GLOSS jobs in preparation of stock record positions, customer statements, confirmations, reconciliation reports.
* CheckFree Recon Frontier production support in checking the G2, CREST, SWIFT file arrivals and file processing, status report preparation at scheduled time.

**Project Details:**

* **Suppress Swift Instruction for Bulltick**
  + This project provides users the ability to suppress free delivery (non DVP) instructions (MT542) settlement instructions based on criteria and release it automatically once the money is cleaned up in GLOSS. This also enables the user the ability to override i.e., allow to release the instructions manually.
  + Allows Bulltick to process trades vs. their actual counterparts, thus allowing them to view matching results on their own (eliminating the need for them to call Pershing looking for matching statuses).
* **International Clearance and Reengineering**
  + This project provides Lombardi teamworks with messages from GLOSS that reflect pending settlements for all open items settling in foreign markets. This is a critical component of implementing the Lombardi pilot project for international clearance.
  + This provides the transaction information needed to route work to an international clearance associate for subsequent exception resolution.
* **Swift Clearance and Settlement**
  + The purpose of the Swift Clearance and Settlement project is to increase institutional business by enabling clients (e.g. banks) that use SWIFT messaging (e.g. European customers including SASI & offshore banks) for sending their settlement and clearance instructions to Pershing for processing.
* **Handling of Swift Partials including billing**
  + Currently in GLOSS, there is the ability to resend a Swift instruction on a trade. This is done via the Swift Instruction Generation screen. It has been noted by the business that as the firm expands and grows in the International Markets, there is a need to be able to systematically send partials via Swift and send the appropriate settlement charges to the billing system.

###### **PRODUCT NAME: NetExchange Client (NETX) – OFX**

Client : **Pershing LLC (Subsidiary of Bank of New York Mellon), USA**

Duration : Jan 2005 – June 2008

Duration : UNIX, C, C++, STL, KSH script, Python, PTG Screenlets

Team Size : 25

NetX Client is a front-end product that allows financial institutions to offer online retail brokerage services for customers. NETX group maintains sites for more than 70 clients worldwide. All sites have similar functionality however there are distinct platforms: NetExchange Client Custom, Select 2.1, and View.

NETXcppServer is the application which powers these multiple platforms.

Open Financial Exchange (OFX) is a broad-based framework for exchanging financial data and instructions between customers and their financial institutions. It allows institutions to connect directly to their customers without requiring an intermediary.

**Responsibilities:**

* Expertise in the development of online brokerage websites like NETXInvestor, Stanford, Select 2.0, AXA 2.0, Trowe Price using Screenlets, C/C++, shell scripts, Python on UNIX platform.
* Mainly involved in front-end functionality development and maintenance of NETXcppServer and OFX Servers.
* Analysis on client requirements and deciding the design level changes.
* Implementation of new/enhancing the trade functionality for IBDs and development of new websites based on client specification.
* Test case preparation, Unit testing and Integration testing in different environments.
* Coordination with SQA team on projects developed for availability to users.
* Production Issue tracking using Remedy system and Issue Resolution.

**Project Details:**

* **NetXInvestor – New website**
  + Implemented IBD customization in new functionalities through this project such as Quicklinks using C++, STL Maps for ease of access to different pages like balances, positions, etc.
  + Message Center using XSLT, XML and Bulletin Message functionalities which display dynamic messages after the user logged-in to the website.
* **American Century Brokerage – SAML SSO**
  + SAML (Security Assertion Markup Language) is the latest/advanced way of doing Single Sign On (SSO) between two different applications. This way of authentication is implemented between the American Century Brokerage and the NetExchange Application server.
  + The authorized users of the American Century Brokerage are allowed to access their respective Pershing brokerage accounts using the SAML SSO and this is seem-less to the user.
* **NXC Self Authentication**
  + This project allows the end customers who have an account with any of the brokers of Select2.0 platform to create a new user id by themselves and link the account numbers to the newly created user id. With this user-id user can login to the site, view portfolio details, perform trading functions.
* **OFX – Investment download Implementation for Royal Alliance**
  + This project involved changes to the OFXServer which enabled Royal Alliance customers to download the Brokerage Investment details such as Holdings, Positions and History to tools like Quicken and MS Money.

###### **PERSONAL DETAILS**

Location : London, United Kingdom

Visa/Work Permit : **UK – Indefinite Leave to Remain**