

# Subhasis Guchhait

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Designation: Senior Python Developer

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## Experience Summary

- **14+ years** of experience working in IT environment which includes **Development, Implementation** and **Project management**
- Hands-on experience of working on technologies such as **Python, Oracle, PL/SQL, Unix shell scripting, Perl, Actuate Admin, Control-m 9.0, HTML, CSS and JavaScript**
- Rich experience of working in all stages of **SDLC** including knowledge transition, requirements gathering, designing & documenting architecture, application development, testing, implementation, and post-implementation support
- Handful experience of working on **Waterfall** as well as **Agile** build models
- Excellent analytical & logical abilities with good communication, business Interaction & relationship management skills
- Completed **Certified Associate in Python Programming** in 2022
- Experienced in Python with proven expertise in using new tools and technical developments (libraries used: **Numpy, Panda, Matplotlib, Seaborn, Sklearn, Pandas Data Frame, cx\_Oracle, Tableauserverclient** etc)
- Experienced in working with various Python Integrated Development Environments like **Visual Studio, PyCharm and Sublime Text**
- Worked on **Python with Boto3 library** to connect to AWS resources
- Worked on messaging broker such as **RabbitMQ**
- Worked on POCs to create **Microservices**
- Experienced in working in **UNIX/LINUX** platform
- Proficient in **Shell Scripting** and **Perl Scripting**.
- Proficient in Unix utilities like **regular expression, sed and awk**
- Proficient in working with **EVP** (Enterprise password vault)
- Experienced in analysing and handling large datasets using **Oracle Relational database 9i, 10g, 11g and 12c**
- Experienced in working on **Postgres** and **Snowflake**
- Experienced in working with **Django and Flask**
- Experienced in using various version control systems like **SVN, Git, GitHub**
- Proficient in writing SQL Queries, Stored **procedures, functions, packages, tables, views, triggers**

using relational databases like Oracle

- Experienced in creating control-m schedules using **BMC Control-M**
- Experienced in **Actuate Administration**
- Performed multiple **Tech-Refresh** projects
- Understand the fundamentals of **Kubernetes**

## Certification

HTML and CSS in depth – Coursera – Issued on Dec 2023

Version Control – Coursera – Issued on Dec 2023

Programming with JavaScript – Coursera – Issued on Nov 2023

Introduction to Front-end Developer – Coursera – Issued on Oct 2023

PCAP – Certified Associate in Python Programming (Exam PCAP-31-0x) from Python Institute [OpenEDG] on Aug 2022

PCEP – Certified Entry-Level Python Programmer (Exam – PCEP-30-02) from Python Institute [OpenEDG] – on Jun 2022

AWS Cloud Practitioner on Jan 2019

## Technical Skills

Languages	Python, PL/SQL, SQL, Unix Shell Scripting, Perl, Ruby, HTML, CSS, JavaScript
Operation Systems	UNIX HP-UX, Sun OS, AIX-UNIX, LINUX, Windows
Database	Oracle 12c,11g, 10g, Postgres
Scheduler	Control-m 7.0, 9.0, Crontab, DBMS Scheduler
Admin	Actuate 11SP5 and 11SP6 Admin
Reporting	Actuate erd.pro and Tableau-Desktop
Data Catalogue Tool	Alation, Collibra
Cloud and CI/CD Tool	Python with Boto3 for AWS, Docker, Docker Compose, Git, SVN, Jenkins, Udeploy
Messaging Tool	RabbitMQ, SQS, SNS, Event Bridge

## Project Summary

Organization	Client	Duration	Role
Fidelity		July 2023 – Till date	- Senior Python Developer

Compunnel	Fidelity [WESTLAKE TEXAS]	Aug 2022 – July 2023	- Python Developer
Tata Consultancy Services Limited	JPMC [DALLAS]	Aug 2015 – Aug 2022	- Technical Lead - PL/SQL, UNIX, Perl, and Python Developer - Actuate Admin
	JPMC [INDIA]	Nov 2012 – Aug 2015	- Technical Lead - PL/SQL, UNIX Developer
	Vodafone ESSAR[INDIA]	Dec 2011 – Oct 2012	- PL/SQL, UNIX Developer
	TATA INDICOM[INDIA]	Dec 2009 – Nov 2011	- TIBCO Developer

## Work Summary

- [Aug 2022 – Till Date: Fidelity – Westlake, TX]: Fidelity Wealth - Data Governance and Enablement

Fidelity Investments, commonly referred to as Fidelity, earlier as Fidelity Management & Research or FMR, is an American multinational financial services corporation based in Boston, Massachusetts. The company is one of the largest asset managers in the world with \$4.5 trillion in assets under management, now as of December 2021 their asset under administration amounts to \$11.8 trillion.

All Personal Identifiable (PII) Information of the customer is secured and protected as a part of this initiative. Creating and building the data catalogue to facilitate the data discovery for analytical and marketing purposes is also one of the primary goals of this assignment.

### Role and Responsibilities

- Create Python application using Django to create a tool for users to extract metadata from Alation
- Dockerized code on Virtual Machines
- Create a single complex SQLs to build analytical dashboards on Tableau for users to multi-select data

- Create schedulers for batch processing using crontab
  - Exploring front-end development using html, css, javascript and NodeJs
  - Support deployments in different environments
  - Create Python applications using vendor APIs to populate and maintain Data Catalogue
  - Create Python application to build Data Information Index dashboard
  - Create and enhance existing Python applications as per business requirement
  - Create Visual Basic application to capture efforts spend in consulting and build dashboards for analysing user trends
  - Create sqls to extract data from Postgres and Oracle for analytical purpose
  - Migrate data from Oracle to Snowflake
  - Maintain code repository on GitHub
  - Perform UAT testing of database column to table stitching of metadata on various catalogue tool
  - Work with other team members to achieve Definition of Done
  - Automate repetitive tasks to save effort
  - Create schedulers for batch processing
  - POCs - Python with Boto3 to work with AWS resources such as S3, SQS, Lambda etc.
- **[ May 2018 – Aug 2022: JPMC - Plano, TX]: Global Reporting Merchant Services**

JPMorgan Chase (JPMC) is one of the oldest financial institutions in the United States. JPMC's business area spans across Investment Banking, financial services for consumers, small business and commercial banking, financial transaction processing, asset management and private equity. This project is for JPMC's Merchant Services which provides Financial and Analytic Reports to Merchants across the globe. Some of these merchants include Amazon, Netflix, Google, Uber etc. Report delivery is critical for the business.

### **Role and Responsibilities**

- Lead technical architect, subject matter expert, and Actuate admin
- Create Python scripts to setup Tableau environment [start, stop and status check]
- Build and automate download and publish Python scripts for Tableau migration to higher environment
- Create Python scripts to setup Tableau folder structure and user creation
- Create Python scripts to load data into oracle tables
- Explore Data trend analysis using Python-Data Science

- Create and enhance existing Perl scripts to automate business requirements
- Build and deploy Control-M jobs for reporting
- Build and deploy Oracle Procedure and function for Reporting
- Migrate Actuate from 11SP5 to 11SP6 on Prod and DR
- Experienced in Actuate server restart
- Maintain source code in Git bash
- Troubleshoot any server related issues for Actuate
- Work on existing reports developed in Actuate to fix production bugs
- Ensure Daily reports are generated within the SLA
- Mentor teammates to automate processes
- Participate in Quarterly Business Reports to do effort estimation
- Co-ordinate with offshore [India] on daily basis and perform handover activities
- Immediate Point of contact for Production issues and resolutions
- Technical Recruiter for the organization
- Peer reviewer for Oracle, Unix script or control-m changes
- Create Technical Specific Documentation
- Create and maintain confluence page for reporting team
- Implement and support changes in DEV, UAT and PROD
- Create change request on Service Now portal
- Participate in yearly Hackathon conducted by client to provide innovative solution [ Data trend analysis]

- **[ May 2017 – May 2018: JPMC - Plano, TX]: Info-one Tech refresh**

This project is for JPMC's Mortgage Banking division which is currently undergoing software upgrades of informatica and oracle servers. This also involves migration from AIX to LINUX operating system. Currently leading offshore team of 11 resources and fully responsible for end-to-end migration of all the existing processes successfully in upgraded environment.

#### **Role and Responsibilities**

- Technical lead/Solution Architect
- Finding work around for the unsupported utilities in Oracle and Unix during the upgrade
- PL/SQL development to migrate from GPG to EPV for 85 schemas
- Validate oracle objects before and after migration
- Modify existing shell scripts to update the EPV changes
- Automate SFTP process using UNIX shell scripting

- Co-ordinate with client, business consumer, onsite and offshore
  - Develop code deployment tool
  - Implement and support changes in DEV, UAT and PROD
  - Create oracle procedures and functions
  - Create shell scripts to automate existing functionalities
  - Automate manual migration process through shell scripts
  - Create control-m jobs for scheduling
  - Test before migration and after migration and ensure that there are no issues
  - Maintain source code in Git bash
  - Create design documents and unit test case documents
  - Work with production support team to fix production issues
  - Create change request on ITSM portal
  - Participate in yearly Hackathon conducted by client to provide innovative solution [Quick way to promote peer to peer awards]
- **[Aug 2015 – May 2017: JPMC - Lewisville, TX]: MBMIT – MB Management and Information Technology**

This project is for JPMC's Mortgage Banking division which mainly operates on IT requirements for the business users. Several activities such as User migration, Oracle schema remediation, IT risk control, SAS server migration was performed during this assignment. This involved creation/modification of complex pl/sql and unix processes.

### **Role and Responsibilities**

- Create oracle procedures and functions as per business logic and IT risk controls
- Remediate user and object roles and grants to prevent unauthorized access
- Ensure business functioned properly after the remediation was completed
- Automate hourly batch report using shell scripts and pl/sql components
- Create technical and functional design document
- Promote code changes to higher environment
- Maintain code base in svn
- Create unit test case document and perform unit testing
- Create functional document
- Create design document
- Create control-m jobs for scheduling

- Implement and support changes in DEV, UAT and PROD
- Work with production support team to fix production issues
- Create change request on ITSM portal

- **[Nov 2012 – Aug 2015: JPMC - India]: Privacy Initiative**

Implementing row level security on various customer databases using shell scripts and procedures. As part of security, privileged users were given access to highly sensitive data.

#### **Role and Responsibilities**

- Part of the design team to layout the architecture
- Overload the DBMS\_RLS package to implement the privacy initiative
- Create numerous packages and user defined functions to perform masking of data to unauthorized users
- Implement RLS across 300 plus schemas in 24 databases
- Create data load using import export oracle utility
- Support UAT testing and work with business to get sign off
- Implement and support changes in DEV, UAT and PROD
- Perform unit testing
- Create validation document

- **[Dec 2011- Oct 2012: Vodafone ESSAR Ltd - INDIA]: Vodafone**

**Vodafone India** is the Indian subsidiary of UK-based Vodafone Group, the world's second-largest mobile phone company, and is a provider of telecommunications services in India. Generation of various reports for all members present in the sales channel hierarchy on the hand held device developed by third party.

#### **Role and Responsibilities**

- Work with client to gather requirement
- Perform Data Analysis for sales
- Work with Java team to ensure proper integration with other application
- PL/SQL code development for report generation
- Perform data validation in Parallel environment

- Support UAT testing and work with business to get sign off
- Create validation documentation
- Implement and support changes in DEV, UAT and PROD
- Project Reporting and status monitoring

- **[Dev 2009 – Nov 2011: TATA INDICOM - INDIA]: Mobile Number portability**

Mobile Number portability is functionality where customer can change his/her service provider without changing his/her mobile number. Project included everything starting from Port in to Port out of numbers.

#### **Role and Responsibilities**

- Developments/ Enhancements using PL/SQL
- Create and modifying existing Shell Scripts
- Code maintenance and data flow using TIBCO BW
- Oversee sim card generation
- Oversee sim card activation process for Tata Docomo
- Work with electronic voucher team to ensure the scratch cards were generated successfully
- Project Reporting and status monitoring
- Implement and support changes in DEV, UAT and PROD

### **Qualification**

- B.Tech, Haldia Institute of technology, India [Specialization in Information Technology] with 85% (2009)
- Class XII, ISC, Science Stream, St. Xavier's Collegiate School, Kolkata, India with 73.5% (2005)
- Class X, ICSE, St. Xavier's Collegiate School, Kolkata, India with 79.3% (2003)