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**PROFESSIONAL SUMMARY:**

* Over 13+years of experience as a python developer, software development and design using Python, Django, XML, HTML, DHTML, C#, Oracle PL/SQL, Postgres.
* Experienced in installing, configuring, modifying, testing, and deploying applications with AWS (Amazon Web services).
* Experience in all phases of Software Development Life Cycle (SDLC)-Waterfall, agile Process across various workflows (Requirement study, Analysis, Design, Coding, Testing, Deployment and Maintenance) in Web & Client/Server application development.
* Extensive experience in developing web applications using Python, Django, Flask frameworks.
* Experience in working with several python libraries including soup, NumPy, matplotlib, SciPy, PyQt, SQLAlchemy.
* Hands-on experience with industry-standard IDEs like PyCharm, Sublime, NetBeans.
* Extensive experience in developing applications by implementation of web based and client/server applications using HTML, Angular JS, Node JS, CSS, JavaScript, and various Java/J2EE technologies.
* Good experience in Shell Scripting, Oracle RDBMS, SQL Server**, UNIX**, and **Linux.**
* Good knowledge of TCP/IP, UDP, HTTP, HTTPS, SSH and SSL protocols.
* Expert at version control systems like Git, SVN and CVS, Migrated repos from svn to **GitHub.**
* Proficient in writing SQL Queries, Stored procedures, functions, packages, tables, views, triggers using relational databases like Oracle, MYSQL Server.
* Experience with source code testing frameworks like JUnit**, PyUnit.**
* Experience object-oriented programming (OOP) concepts using Python.
* Well versed with design and development of presentation layer for web applications using technologies like HTML, CSS, jQuery and JavaScript.
* Good experience in working with Amazon Web Services (AWS) like AWS EC2, S3, VPC, SES, ELB, EBS, RDS, Glacier, DynamoDB…etc.
* Proficient in NLP techniques and tools, with hands-on experience in text analysis and language understanding.
* Good knowledge on C, C++ languages including threads, templates, Polymorphism and OO concepts.
* Experience in using XML, SOAP, REST web Service for inter operable software applications.
* Hands on experience with bug tracking tools JIRA and Bugzilla.
* Experience in Agile development processes ensuring rapid and high-quality software delivery
* Highly motivated, quality minded developer, with proven ability to deliver applications against tight **deadlines.**

**Skills:**

**TECHNICAL SKILLS:**

**Programming Languages Python**

**Cloud Services AWS, Microsoft Azure, GCP**

**Defect Tracking JIRA, Bugzilla, and VersionOne**

**Web Server Apache Webserver, IIS**

**Integration Tools Jenkins, IBM integration and Web Builder**

**Tools Django, Spyder, Visual Studio, Tableau Analytics Wynsure**

**Databases Oracle 10/11g, MySQL, SQL Server, and PostgreSQL, MongoDB**

**Operating Systems Unix, Linux, Ubuntu, Solaris, Windows and MacOS**

**PROFESSIONAL EXPERIENCE:**

**Client: Reliance Projects and Property Management Services Limited Sep 2021-Present**

**Role: Python Developer/Data Scientist**

**Responsibilities:**

* Clustering customers & predicting churn for a telecom-share business
* Creating a fraud prediction model for an event ticketing site employing a boosted tree classifier
* Assisted in reduction of cost and optimization of supplier selection for the CRM Applications.
* Ensured high quality data collection and maintaining the integrity of the data.
* Coded test programs and evaluated existing engineering processes.
* Designed and configured database and back-end applications and programs.
* Performed research to explore and identify new technological platforms.
* Transform and analyze the data using Pyspark, HIVE, based on ETL mappings.
* Developed pyspark programs and created the data frames and worked on transformations.
* Collaborated with internal teams to convert end user feedback into meaningful and improved solutions.
* Preprocess and analyze text data for various NLP tasks.
* Set up monitoring using Amazon CloudWatch and configured alerting for Redshift cluster health and performance.
* Use the Cargo package manager to manage project dependencies and integrate external Rust crates.
* Collaborate with data scientists and software engineers to integrate NLP solutions into software applications.
* Fine-tune pre-trained language models for specific applications.
* Optimize AWS costs by choosing the right pricing models and resource allocation.
* Optimize NLP algorithms for performance and scalability.
* Integrated Lambda functions with other AWS services such as Amazon S3, DynamoDB, and RDS, enabling seamless data processing and orchestration
* Configured Amazon S3 for static website hosting, ensuring fast content delivery and cost-effective web hosting solutions.
* Designed and implemented data models and schemas in Amazon Redshift for efficient data storage and retrieval.
* Resolved ongoing problems and accurately documented progress of a project.
* Understanding of Python best Practices (PEP-8).
* Handled automation of business requirements with AWS Lambda using Python Boto3.
* Utilised agile methodologies to manage full life cycle development of the project.
* Used performance tracking tools such as New Relic and resolved debugging/troubleshooting issues.
* Provided production support and performed monthly deployments.
* Conduct Deployment of project on AWS EC2 for processing, RDS MySQL and S3 for storage, and SNS/SES for messaging.
* Responsible for debugging and troubleshooting the web application.
* Developed, tested and debugged software tools utilized by clients and internal customers.
* Ensured compliance with industry-specific regulations and best practices for data storage and security when using Amazon S3.
* Designed and implemented a cognitive intelligent automation solution using RPA, Python, NLP, JSON that enabled consistent and standardized method of creating case narratives for subjects as part of their clinical trials.

**Client: Bharti Airtel Private Limited Oct 2015 Aug 2021**

**Role: Sr. Python Developer**

**Responsibilities:**

* Developed algorithms based on deep dive statistical analysis and predictive data modeling that were used to strengthen relationships, longevity and personalize interactions with clients.
* Research, Develop, prototype, and test new models and their related inputs and outputs; made any necessary actions.
* Liaised with 10 colleagues from sales, operations, product and finance teams to deliver solutions for improving operations
* Designed front end and backend of the application utilizing Python on Django Web Framework.
* Developed dynamic web pages to view the reports generated utilizing Django Framework.
* Built 2 reporting and metrics tracking solutions to optimize resource management in LTE.
* Cleaned data and processed third party spending data into maneuverable deliverables within specific formats with Excel macros and python libraries.
* Experience in developing views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Develop framework for converting existing PowerCenter mappings and to PySpark(Python and Spark) Jobs.
* Create Pyspark frame to bring data from DB2 to Amazon S3.
* Provide guidance to development team working on PySpark as ETL platform
* Developed and implemented predictive models of user behavior data on websites, URL categorical,
* social network analysis, social mining and search content based on large-scale Machine Learning.
* Conceptualized frameworks and quantitative models to seize new business ventures
* Developed 6 dashboards and frameworks to monitor business performance while creating business cases
* Drafted monthly reports on sales performance including operations & profitability to identify opportunities for improvement.
* Utilized Amazon CloudWatch to monitor Lambda function performance and CloudWatch Logs for tracking function execution and debugging.
* Used several python libraries like **wx Python**, **NumPy** and **matplotlib**.
* Developed predictive models on large-scale datasets to address various business problems through
* leveraging advanced statistical modeling, machine learning, and deep learning.
* Was involved in environment, code installation as well as the **SVN** implementation.
* Improved data mining process, decreasing the time needed to infer insights from customer data used to develop marketing campaigns and strategies.
* Hands-on experience in writing and reviewing requirements, architecture documents, test plans, design documents, quality analysis and audits.
* Managed environment variables in Lambda functions to store sensitive information and configuration parameters securely.
* Built various graphs for business decision-making using Python matplotlib library.
* Used Python library Beautiful Soup for web scrapping.

**Environment:** Java 1.8, HTML5, CSS3, jQuery, Ajax, Angular JS Bootstrap, JSON, J2EE, Spring Framework, Spring MVC, Spring Security, Spring Boot, Spring Data, Web services, RESTful, Stored Procedures, Unix, XML, Agile/Scrum Methodology, Scala, Swagger, Docker, Kafka,AWS, Linux, Maven, Git, JIRA, Junit, Microservices, TDD, Angular JS., Kafka.

**Client: Link quest Telecom Ltd. (For Bharti Airtel Limited). Jan 2015 to Oct 2015**

**Role: Python Developer**

**Responsibilities:**

* Worked with millions of database records on a daily basis, finding common errors and bad data patterns and fixing them.
* Developed 60 reports on client usage and performance prior to contract renewals to suggest best
* Formulated and managed 10 execution plans of business intent to monitor results
* Built strategies and improved the profitability of the network by 10% while solving complex business problems.
* Build SQL queries for performing various CRUD operations like create, update, read and delete.
* Work with team of developers on python applications for RISK management.
* Taken part in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
* Utilize Python and Rust for coding and developing data science solutions.
* Work with large datasets, including Parquet files, and utilize the AWS stack for data storage and processing.
* Optimize the Pyspark jobs to run on Kubernetes Cluster for faster data processing.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* By utilizing Python on Django Web Framework developed entire frontend and backend modules.
* Developed web applications using Django and Python, streamlining data processing and improving user experiences.
* Implemented .NET solutions to enhance the functionality of software applications, resulting in increased efficiency.
* Utilized C# for developing custom software tools, contributing to smoother project workflows.
* Exported/Imported data between different data sources using SQL Server Management Studio.
* Maintained program libraries, users' manuals and technical documentation.
* Managed large datasets using Panda data frames and MySQL.
* Used Pandas library for statistics Analysis.
* Scaled Scikit-learn machine learning algorithms using apache spark.
* Created most important Business Rules which are useful for the scope of project and needs of customers.
* Designed the architecture of the hardware environments and methodology of the code
* Experienced in Agile Methodologies and SCRUM Process
* Performed statistical analysis to identify internal performance pattern & devised data-driven strategies to optimize the same
* Improved business by 60% by conducting data analysis and executing projects for driving business recommendations.
* Carried out various mathematical operations for calculation purpose using python libraries.
* Utilized Azure Machine Learning to develop predictive models for customer churn analysis, resulting in a 15% reduction in churn rate.
* Leveraged Microsoft Azure cloud services to deploy and scale machine learning applications, ensuring high availability and cost-effectiveness

**Client: Essay Ericsson India Pvt. Ltd, Nov 2009 Dec 2014**

**Role: Coordinator Special**

Responsibilities

* Responsible for maintaining network’s capacity utilization under 75%.
* Responsible for getting clearance from TERM cell during the MRO (Minimum rollout obligations) drives.
* Planning of new sites for capacity offload by analyzing the clutter and nearby sites capacity utilization.
* Responsible for deployment and monitoring of 2G BTS sites and MW hops to meet rollout targets for the month and AOP.
* Responsible for arranging required RFAI of 2G sites, and MW to meet the monthly and AOP target.
* Analyze site survey reports and interact with acquisition team for acquiring the right site as per the guidelines and time frame.
* Responsible for quality assurance of 2G sites, MW and Core.
* Write clean, maintainable, and efficient Rust code to implement project requirements. Follow best practices and coding standards.
* Apply data mining and data cleaning processes to ensure data quality.
* Experienced in Natural Language Processing (NLP) including Latent Dirichlet allocation(LDA), Guided LDA, Labeled LDA, Lemmatization, Sentiment Analysis, tf-idf, and Word2Vec. Proficient in various Statistical Methodologies such as Hypothesis Testing, ANOVA, EM algorithm, Maximum likelihood function, Point Estimation, Interval Estimation and Bayesian Methods.

Monitoring the RAN deployment project activity Initiating necessary CAPEX for related activities.

Gather and collect data from various sources, which may include databases, APIs, sensors, logs, or external datasets. Responsible to complete the AOP within given budget and need to monitor the same on periodical basis.

* Responsible for keeping WH and on site inventory under control without hampering rollout.
* Responsible for closing WCC (work completion certificate) of vendor.

**EDUCATION QUALIFICATION:**

* Bachelor’s (Electronics and Electrical Engineering) JNTU April – 2007.