**SARASWATHI**

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**BRIEF OVERVIEW**

Having overall 10 + years of experience in IT and total experience relevant to Python AWS development and involved in various phases of software development.

* Hands on experience in Python, AWS (Lambda, API GW, Cloud watch, Cloud Formation, Redshift, Ec2, S3, Athena, Terraform, Server less, Redies ), Open ERP, Automation Mock unit testing and SQL.
* Translating new ideas to client’s solutions including opportunity identification,
* Code Coverage in python and excellent debugging skills.
* Strong analytical, logical skills, Methodical approach and attention to detail and learning new concepts.

**ACADEMIA**

* MCA from Sri Vidya Bharati PG College (Osmania University) in 2009.

**PROFESSIONAL EXPERIENCE**

Working as a Sr.Python Developer in Hyperion Technologies from Feb 13th 2023.

Worked as a Technical Lead in **Mindtree,** Hyderabad from Sep 2022 to Feb 10th 2023.

Worked as a Sr.Software Engineer in **Cognizant,** Hyderabad from Aug 2018 to Aug 2022.

Worked as a Consultant-B2 in **Capgemini ,** Hyderabad from March 2016 to 24th Aug 2018.

Worked as a Sr. Software Engineer in **Tech Highway solutions**, Pune from April 2013 to Sep 2014.

Worked as a Software Engineer in **K Tree Computer Solutions**, Hyderabad from Dec 2011 to Mar 2013.

Worked as a Software Engineer in **Infronics** (Value Matrix Merged) from Jul 2010 to Dec 2011.

**TECHNICAL SKILLS**

Operating System: Linux, Windows,

Programming Languages: Python, Python Web Services, Serverless, Terraform, PostgreSQL, MySQL, CSS, VBA.

Platforms: OpenERP 5.0 – 7.0, Eclipse, Pycharm, Visual Studio

Cloud Competencies : AWS (Ec2, Redshift, s3, Athena, Cloud Formation, API Gateway, AWS Lambda,Serverless, Terraform, Splunk)

**FUNCTIONAL SKILLS:**

* Interacting with clients for requirement gathering, system analysis and finalization of technical/ functional specifications.
* Designing, developing and testing.
* Ensuring smooth implementation and testing at client location.
* Providing post-implementation, application maintenance and enhancement support to the client with regard to the product/ software application.
* Deploying and controlling data setup for newly developed applications.
* Python Automation Testing.
* Knowledge on Splunk, Cribl, syslog, HEC, Azure Eventhub,

**PROJECTS HANDLED**

Project # 1

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| --- | --- |
| Title: | LFG – Cloud Migration |
| Client: | LFG – Lincoln Financial Group  |
| Environment: | Python3.9, AWS (Lambda, API Gateway, PostgreSQL, Serverless), SQLAlchemy, GitLab, Splunk. |
| Team Size: | 8 |
| Role: | Creating Rest APIS using AWS API Gateway by calling AWS Lambda functions. |
| Duration: | Aug 2022 to Till Date |
| Description: | LFG - Plan Conversion is a application, which Business users will be upload the spreadsheets with different plan details on the plan conversion application, plan conversion application stores the data into Aurora-PostgreSQL DB using the python SQLAlchemy orm session.Plan Conversion application is already using with on-premises LFG data center, we have migrated the application into AWS cloud.* Written Lambda functions based on business logic.
* Created deployment script (Serverless YML) to deploy the AWS Lambda and API gateways.
* Wrote mock Unit Test cases for each python module.
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| Responsibilities: | * Analysing requirements.
* Automate the process.
* Production Deployment
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Project # 2

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| Title: | Xifinity  |
| Client: | Comcast  |
| Environment: | Python3.6, AWS (Lambda, API Gateway, Dynamo DB, Serverless, Terraform) Jenkins, concourse. |
| Team Size: | 7 |
| Role: | Creating Rest APIS using AWS API Gateway by calling AWS Lambda functions. |
| Duration: | Aug 2018 to Till Date |
| Description: | Xfinity is a subsidiary of Comcast Corporation, used to market consumer cable television, internet, telephone, and wireless services provided by the company.Here, I was worked on ecommerce consent UI, the data will come from different ways to consent, we have validated the data and process the lambda by connecting different API’s.Here we do Implementation of AWS Lambda functions and server less script for creating Rest APIS in AWS. Implemented new Auto payment application, for that used terraform to deploy the AWS components, which created lambda and API gateway. * Written Lambda functions based on business logic.
* Created deployment script (Serverless YML/Terraform) to deploy the AWS Lambda and API gateways.
* Wrote Unit Test cases for each python module.
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| Responsibilities: | * Analysing requirements.
* Automate the process.
* Production Deployment
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Project # 3

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| Title: | Business Ecommerce Service |
| Client: | Amazon |
| Environment: | Python, AWS, s3, Athena, Ec2, Oracle, Redshift. |
| Team Size: | 10 |
| Role: | Functional Automation and Data Reconciliation  |
| Duration: | Oct 2016 to 24th Aug 2018 |
| Description: | Worked on a project for one of the largest e-commerce service. Our team is into developing optimized Python scripts to implement business logics and to process huge data files, clear or backfill the wrong transactions, which were affected due to various technical reasons like non-refund to customer, over charge, charge without shipments etc. Extract data and load into redshift.* Created an automation script, which extracts the data from database and prepares a backfill file.
* Create an automation script, which extracts the data from files, and load that data to redshift.
* Effective hands-on experience in using AWS S3, EC2 services both through command line and through console.
* Researching the possible use cases for the effected transactions in the online transactions, which may include wrong transactions, payment failures, charge without shipments, over-refund etc.
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| Responsibilities: | * Analysing Requirements.
* Automate process backfilling using python or ETL JOBS.
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Project # 4

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| Title: | Envision |
| Client: | Wells forgo – TU |
| Environment: | Linux, Jenkins, Git , Python |
| Team Size: | 4 |
| Role: | Developer |
| Duration: | Mar 2016 to Sep 2016. |
| Description: | Envision is a deaccessioning system, used by TransUnion to filter out credit report of a subject based criteria. Wells forgo is one of the lob to it by using decision sets to achieve the same. Rules and matrix are applied and filtered offer cards, loans or different offers based on lob.Get xml data by passing and extract tags based on XMLpath using xmllib2 python package. |
| Responsibilities: | * Analysing Requirements.
* Design, build, and maintain efficient and reliable Python code.
* Ensure the best possible performance, quality, and responsiveness of applications.
* Identify bottlenecks and bugs, and devise solutions to these problems.
* Help maintain code quality, organization, and automation.
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Project # 5

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| Title: | Travel Agency |
| Client: | Mahdalburaq |
| Environment: | Python 2.7, Openerp 7.0, PostgreSQL 8.4, XML, MVC, Web Services. |
| Team Size: | 6 |
| Role: | Developer |
| Duration: | January 2014 to September 2014 |
| Description: | Booking tickets and making payment and invoice. Visa configuration and make a booking. Create Web Services by calling different databases from different servers, retrieve the data according the requirements which will reflect in browser |
| Responsibilities: | * Analysing Requirements.
* Developing Code to run the applications.
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Project # 6

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| Title: | Pont of Sale |
| Client: | Martine –US |
| Environment: | Python 2.7, Openerp 7.0, PostgreSql 8.4, XML, MVC. |
| Team Size: | 4 |
| Role: | Developer |
| Duration: | October 2013 to December 2013 |
| Description: | Generated csv sales report. This is for generating sales analysis report for monthly, weekly, day. Import the products, chart of accounts into postgresql from xls file.  |
| Responsibilities: | * Analysing Requirements.
* Developing Code to run the applications.
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Project # 7

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| Title: | Fabric Sales Management |
| Client: | Castle |
| Environment: | Python 2.7, Openerp 7.0, PostgreSql 8.4, XML, MVC. |
| Team Size: | 2 |
| Role: | Developer |
| Duration: | Apr 2013 to September 2013 |
| Description: | Sale order management and ability to put a deposit against an order, and convert the quote to an order when 100% deposit done. Import customers, products, shops from mysql database to postgres. The order moves through the workflow depending on many factors such as whether the product is available, therefore can be reserved, then the corresponding payment has been made. Implement the complete order status as per the specification. Send notification and status mails to the customers. |
| Responsibilities: | * Conducting unit tests.
* Development the code and proposing alternate solution.
* Providing module based logic to Team.
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Project # 8

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| Title: | Sale Process |
| Client: | Whole sale Pendent |
| Environment: | Python 2.6, Openerp 6.0.3, PostgreSql 8.3, XML, MVC. |
| Team Size: | 4 |
| Role: | Developer |
| Duration: | Jan 2012 to Mar 2013 |
| Description: | Ecommerce and OpenERP integration and import product, product category, sale order from Ecommerce. OpenErp Integrated with DHL for import shipping information of customer and generate airway bill report. Create sale analytic xls and pdf reports for monthly, yearly, weekly wise. From delivery orders created dummy invoice form based on alternate product configured in product form. Generate product category and dummy invoice report as pdf. Create inventory report based on selected dynamic fields. Customize the sales, purchase and hr modules and created reports. Configure emails in openERP and fetch all the email to openERP database to check the applied job resumes and details. Imported all employees form xls file to openERP. Configure the ldap with openERP. Customized the leave management for leave request and leave allocation, sending mails while request leaves. Printer module configuration with openERP for printing the pdf reports. |
| Responsibilities: | * Assisting in the development of new module.
* Conducting unit tests and documenting existing component.
* Reviewing the code and proposing alternate solution.
* Interacting with client for clarifications and updates.
* Providing module based logic to Team.
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Project # 9

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| Title: | CRM Application |
| Client: | Sovello |
| Environment: | Python 2.6, Openerp 6.0.3, PostgreSql 8.3, XML, MVC. |
| Team Size: | 3 |
| Role: | Developer |
| Duration: | Jun 2011 to Dec 2011 |
| Description: | This is CRM application, Remainder meeting to the customer based on meeting scheduler, Fetch mail configuration and fetching mails from the emails and generating leads. In this, Process workflow will be adding as leaves convert to opportunity, this became a sale order. Added importing functionality for import customers and products into openERP. |
| Responsibilities: | * Developing Cod to run the applications.
* Interacting with client for clarifications and updates.
* Conducting unit tests.
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Project # 10

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| Title: | Purchase Management |
| Client: | Infronics  |
| Environment: | Python 2.6, Openerp 5.4, PostgreSql 8.3, XML, MVC. |
| Team Size: | 5 |
| Role: | Application Developer |
| Duration: | Jan 2011 to Jun 2011 |
| Description: | This customized module for the Purchase Management of INFRONICS Pvt. Ltd.Managing Purchase indent and send for approvals, then it’s converted into purchase order. In purchase order itself again added the approvals. Check whole process form Purchase Indent to Purchase Order and Stock Management, once it is received then the need to check the Inventory changes as per the goods received. |
| Responsibilities: | * Understanding the existing application and MVC Concepts.
* Interacting with client for clarifications and updates.
* Conducting unit tests.
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Project # 11

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| Title: | Medestore CRM |
| Client: | Medestore |
| Environment: | Python 2.6, Openerp 5.4, PostgreSql 8.3, XML, MVC. |
| Team Size: | 8 |
| Role: | Developer |
| Duration: | July 2010 to Dec 2010 |
| Description: | Magneto connector configuration and magneto connector base module modifications based on client requirements, Inventory update from magneto to openERP. Multi warehouse module installation in magneto and imported the stock from magneto to openERP modules version 6.0.3 to 6.1. |
| Responsibilities: | * Assisting in the development of new module.
* Designing components level architecture for the user stories.
* Conducting unit tests and documenting existing component.
* Developing exception handling and integrating framework services.
* Resolving the bugs raised by tester.
* Reviewing the code and proposing alternate solution.
* Interacting with client for clarifications and updates.
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