**Ameya Badami**

**Senior Python Developer**

**|** | **(312)-483-9521**

**SUMMARY**

* Around 9 years of experience as a Python Developer , proficient coder in multiple languages and environments including Python , REST Api , AWS , C , C++ and SQL .
* Wrote python scripts to parse XML documents and load the data in database and developed web - based applications using Python, CSS and HTML.
* Experienced in developing applications with EKS/ECS, including setting up and managing clusters and deploying applications.
* Worked on applications and developed them with XML, JSON, XSL (PHP, Django, Python, and Rails).
* Experienced in developing Web Services with Python programming language.
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL database.
* Cleaned data and processed third party spending data into maneuverable deliverables within specific formats with Excel macros and python libraries.
* Experienced in developing web-based applications using Python , Django , PHP , C++ , XML , CSS , HTML , DHTML , JavaScript and Jquery .
* Experienced in working with various Python IDE's using PyCharm, PyScripter, Spyder, PyStudio and PyDev.
* Good experience of software development in Python and IDEs: pycharm, sublime text, Jupyter Notebook.
* Experienced in web applications development using Django/Python using HTML/CSS for server-side rendered applications.
* Experienced with serverless architecture and tools such as AWS Lambda, API Gateway, and CloudFormation.
* Experience with container systems like Docker and container orchestration like EC2 Container Service, Kubernetes worked with Terraform.
* Experience working on Python testing frameworks like Unit test and Pytest.
* Hands on experience working in WAMP ( Windows , Apache , MYSQL , and Python/PHP ) and LAMP ( Linux , Apache , My SQL , and Python/PHP ) Architecture.
* Worked on Anaconda Python Environment.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Experience in implementing python alongside using various libraries such as mat plotlib for charts and graphs , MySQL db for database connectivity, python-twitter , PySide , Pickle , Pandas data frame , network , urllib2 .
* Experienced in using python libraries like BeautifulSoup , NumPy , SciPy , matplotlib , Python-twitter , NetworkX , urllib2 , MySQLdb for database connectivity and IDEs - Sublime Text , Spyder , PyCharm .
* Experienced in Requirement gathering, Use Case development, Business Process flow, Business Process Modeling.
* Extensively used UML to develop various use cases, class diagram and sequence diagrams.
* Well versed with design and development of presentation layer for web applications using technologies like HTML5 , CSS3 , JavaScript , JQuery , AJAX , AngularJS , Bootstrap , JSON , XML .
* Exceptionally solid background in composing API's along with Web Services over Python.
* Experience in using Adobe Flash, SVN, Eclipse, JIRA, Github and CVS.
* Experience working knowledge in UNIX and Linux shell environments using command line utilities.
* Experience with Unit Testing / Test Driven Development (TDD), Load Testing and Integration Testing.
* Experienced in version control systems using CVS, SVN and Git/Github and issue tracking tools like Jira and BugZilla .
* Experienced in writing SQL Queries, Stored procedures, functions, packages, tables, views, triggers.
* Experience in working with Python ORM Libraries including Django ORM, SQLAlchemy .
* Experience in building frameworks and automating complex workflows using Python for Test Automation.
* Experience in implementing with server side technologies with restful API and MVC design patterns with node JS and Django framework.
* Skilled in integrating monitoring and logging tools such as CloudWatch, Splunk, and ELK stack into EKS/ECS clusters for better visibility and troubleshooting
* Optimized existing Lambda functions for better performance and scalability.
* Hands on experience in using NOSQL libraries like MongoDB, Cassandra, Redis and relational databases like Oracle, SQLite, PostgreSQL and MYSQL databases.
* Worked on UNIX shell scripts for business process and loading data from different interfaces to HDFS.
* Experience in deploying applications in heterogeneous Application Servers TOMCAT, Web Logic and Oracle Application. Server.
* Good Knowledge in Amazon AWS concepts like EMR and EC2 web services which provides fast and efficient processing of Big Data.
* Proficiency with the application servers like WebSphere, WebLogic, JBOSS and Tomcat.
* Proficient in Object oriented design experience, with extensive experience of Python-C/C++ binding using Boost Python and Python C types.
* Experiences with File Handling and SSH (Secure Shell).
* Working knowledge of errors and exceptions handling debugging using PDB, Eclipse and Pycharm.
* Experience with Docker, deployment of application inside software containers.
* Excellent Debugging, Problem Solving, Optimization and Testing Skills using GitLab
* Experience in Python Development and Scientific Programing, and using Numpy and Pandas in Python for Data Manipulation.
* Experience in using Scikit-Learn and Statsmodels in Python for Machine Learning and Data Mining.
* Use of NLTK, OpenNLP & StanfordNLP for Natural Language Processing and sentiment analysis.
* Experience with SQL Server Management Studio, SQL Developer, Toad and MySQL GUI Tool.

**Technical Skills:**

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| **Languages** | Python, Perl, C, Java, SQL, PL/SQL. |
| **IDE s** | PyCharm, Emacs, Eclipse, NetBeans, Sublime, SOAP UI, VIM, nano |
| **Web Technologies** | HTML5, CSS3, XML, JavaScript, JQuery, Angular JS, Node JS |
| **Databases** | SQL Server, Oracle, MySQL, PostgreSQL, Cassandra, MongoDB |
| **Frameworks** | Django, Flask, CherryPy, web2py, Tornado, Pyramid, Robot |
| **Web Servers** | JBoss 4.0.5, BEA Web Logic, Web Sphere, Apache Tomcat 5.5/6.0 |
| **Version Controls** | SVN, VSS, CVS, Git. |
| **Automated Job Scheduler** | Autosys. |
| **Operating Systems** | MS Windows, Linux/Unix, Sun Solaris, OS X |
| **Building& Design Tools** | ANT, MAVEN, Gulp, UML, JIRA |
| **Methodologies** | Agile, Scrum, Waterfall |

**PROFESSIONAL EXPERIENCE**

***Wells Fargo***

**Python Developer** *05/2022 – 05/2023*  *Chicago, IL*

* Automate different workflows, which are initiated manually with Python scripts and UNIX shell scripting.
* Create, activate and program in Anaconda environment.
* Use Python unit and functional testing modules such as unit test, unittest2, mock, and custom frameworks in-line with Agile Software Development methodologies.
* Developed UI using CSS, HTML, JavaScript, ReactJS, jQuery and JSON. Implemented data-binding using NODEJS for front-end development of a current web application.
* Develop Sqoop scripts to handle change data capture for processing incremental records between new arrived and existing data in RDBMS tables.
* Experienced in developing and deploying serverless applications using Amazon Web Services (AWS) Lambda
* Installed Hadoop, Map Reduce, HDFS, AWS and developed multiple MapReduce jobs in PIG and Hive for data cleaning and pre-processing.
* Proficient in developing UI pages with best practices in JavaScript and ReactJS
* Manage datasets using Panda data frames and MySQL, queried MYSQL database queries from python using Python-MySQL connector and MySQL dB package to retrieve information.
* Involved in the Web/Application development using Python 3.5, HTML5, CSS3, AJAX, JSON and Jquery.
* Develop and tested many features for dashboard using Python, Java, Bootstrap, CSS, JavaScript and Jquery.
* Generated Python Django forms to record data of online users and used PyTest for writing test cases.
* Implemented and modified various SQL queries and Functions, Cursors and Triggers as per the client requirements.
* Clean data and processed third party spending data into maneuverable deliverables within specific format with Excel macros and python libraries such as NumPy, SQLAlchemy and matplotlib.
* Used Pandas as API to put the data as time series and tabular format for manipulation and retrieval of data.
* Helped with the migration from the old server to Jira database (Matching Fields) with Python scripts for transferring and verifying the information.
* Demonstrated ability to troubleshoot and resolve issues related to EKS/ECS
* Developed Lambda functions for various projects related to data processing, image recognition, and text analysis
* Great experience in UI components with ReactJS/AngularJS with One-way/two-way data binding flow, Virtual DOM, Higher Order Components, and JSX.
* Analyze Format data using Machine Learning algorithm by Python Scikit-Learn.
* Experience in python, Jupyter, Scientific computing stack (numpy, scipy, pandasand matplotlib).
* Perform troubleshooting, fixed and deployed many Python bug fixes of the two main applications that were a main source of data for both customers and internal customer service team.
* Write Python scripts to parse JSON documents and load the data in database.
* Generating various capacity-planning reports (graphical) using Python packages like Numpy, matplotlib.
* Analyzing various logs that are been generating and predicting/forecasting next occurrence of event with various Python libraries.
* Developed single page application by using Angular JS backed by MongoDB and NodeJS.
* Design and maintain databases using Python and developed Python based API (RESTful Web Service) using Flask, SQL Alchemy and PostgreSQL.
* Proven track record of successful deployments of complex applications with EKS/ECS
* Manage code versioning with GitHub, Bit Bucket and deployment to staging and production servers and implement MVC architecture in developing the web application with the help of Django framework.
* Use Celery as task queue and RabbitMQ, Redis as messaging broker to execute asynchronous tasks.
* Design and manage API system deployment using fast http server and Amazon AWS architecture.
* Develop remote integration with third party platforms by using RESTful web services and Successful implementation of Apache Spark and Spark Streaming applications for large-scale data.
* Built various graphs for business decision making using Python mat plotlib library.
* Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Export Test case Scripts, modified the selenium scripts, and executed in Selenium environment.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Scraping website using Python Beautiful Soup, and then parsed it with XML.
* Outputting the parsed data as JSON/BSON and stored into MongoDB
* Used NLTK and StanfordNLP to process text data and created offline intelligence.
* Querying data from MongoDB and use them as input for the machine learning models
* Using AWS for application deployment and configuration.
* Wrote UNIX shell scripting for automation.
* Developed views and templates with Django view controller and template Language to create a user-friendly website interface.
* Developed REST APIs to interact with AWS Lambda functions.
* Used JavaScript and JSON to update a portion of a webpage.
* Develop consumer-based features using Django, HTML and Test Driven Development (TDD).
* Developed Python web services for processing JSON and interfacing with the Data layer.
* Increased the speed of pre-existing search indexes through Django ORM optimizations.
* Developed module to build Django ORM queries that can pre-load data to greatly reduce the number of databases queries needed to retrieve the same amount of data.

**Environment:** Python 2.7, Django, HTML5/CSS, ReactJS, Terraform,NodeJS , PostgreSQL, MS SQL Server 2013, MySQL, JavaScript, Jupyter Notebook, VIM, Pycharm, Shell Scripting, Angular.JS, JIRA .

***Key Bank***

**Python Developer** 02/*2020* - *0*5/*2022**Cleveland, OH*

* Participated in strategic initiatives, implementation of new reports and change management activities with various stakeholders to provide input and recommendations.
* Designed and developed stored procedures, SQL queries and views necessary to support data requirements using DB Visualizer and SQL Developer
* Analyzed data from multiple sources such as Oracle Banking Platform, CIX, Mainframes and web applications to rectify data inconsistencies and provide integrated solutions to various stakeholders like Debit, Credit, Loan, and other external teams.
* Utilized Docker to support cross- datacenter deployment of newly developed SAS scripts and reports.
* Developed SAS scripts to address data processing requirements of various testing teams. Automated the scripts using Cron batch processing.
* Worked on unix utilities and commands such as ls, grep, sed, awk and find to perform data manipulation, text processing, and file searching.
* Developed data pipelines to provide appropriate data to testing teams from multiple internal and external sources like DDA, TSYS/Credit, Mastercard, secured and unsecured loans.

***Anthem***

**Python Developer** *06/2018 - 12/2019 Norfolk, VA*

* Part of team implementing REST API's in Python using micro-framework like Flask with SQLAlchemy in the backend for management of data center resources on which OpenStack would be deployed.
* Developed the terraform script to get the certificates from the bucket and create an SSL cert in the respective project on the fly without downloading the certs on the local machine.
* Used python libraries like Beautiful Soap, NumPy and SQLAlchemy.
* Utilized standard Python modules such as csv, robot parser, itertools and pickle for development.
* Worked on Python OpenStack APIs and used NumPy for Numerical analysis.
* Used Ajax and JQuery for transmitting JSON data objects between frontend and controllers.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML, CSS, JavaScript and JQuery.
* Good experience in creating the IAM Service: IAM Policies, Roles, Users, Groups, and service accounts through Terraform Scripts.
* Developing web pages with HTML, CSS, JavaScript, TypeScript, ReactJS.
* Implemented AJAX for dynamic functionality of a webpages for front end applications.
* Worked on front end frameworks like CSS Bootstrap for responsive webpages.
* Developed and tested many features for dashboard, created using Bootstrap, CSS, and JavaScript.
* Developed Wrapper in Python for instantiating multi-threaded application.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Experience in Database optimization and developing stored procedures such as Triggers, Cursors, Joins, Views and SQL for various databases like MySQL, Oracle.
* Experienced in developing and supporting DevOps pipelines for serverless applications
* Managed datasets using Panda data frames and MySQL, queried MYSQL database queries from python using Python-MySQL connector and MYSQL dB package to retrieve information.
* Developed various algorithms for generating several data patterns.
* Used JIRA for bug tracking and issue tracking.
* Familiarity with scripting languages such as Python and Bash for automating EKS/ECS tasks
* Designed and developed web pages using React JS, Spring boot, Angular, Node JS, and Azure.
* Added several options to the application to choose algorithm for data and address generation.
* Developed and designed automation framework using Python and Shell scripting.
* Developed the project in Linux environment.
* Developed unit tests for AWS Lambda functions to ensure optimal performance
* Used Agile Methodology and SCRUM Process.
* Maintained the versions using GIT and sending the release notes for each release.

**Environment:** Python 2.4, CSS, HTML, BOOTSTRAP, JavaScript, JQuery, AJAX, ReactJS, Terraform,NodeJS , MYSQL, Linux, Heroku, GIT, flask and python libraries such as NumPy, SQL Alchemy, MySQL DB, Automation framework, Jenkin.

***Tata Consultancy Services***

**Python Developer** *12/2015 - 04/2018* *Bangalore, India*

**Responsibilities:**

* Built a GC analytic tool using Python, to help clients analyze data and profile risk against a wide spectrum of reinsurance options.
* Implemented AWS Code Pipeline and Created Cloud formation and JSON templates in Terraform for infrastructure as code.
* Developed custom reports using HTML, Python and MySQL.
* Developed monitoring and notification tools using Python.
* Documented the revised workflow using confluence wiki.
* Created Data tables utilizing PyQt to display customer and policy information and add, delete, update customer records.
* Used Python based GUI components for the front-end functionality such as selection criteria.
* Key performance index and filtering of displayed columns to help customers understand the analytics data that is provided by GC.
* Developed efficient Angularjs and Reactjs for client web-based application.
* Used Bash and Python included Boto3 to supplement automation provided by Ansible and Terraform for tasks such as encrypting EBS volumes, backing AMIs and scheduling Lambda functions for routine AWS tasks.
* Implemented navigation rules for the application and page outcomes, written controllers using annotations.
* Written queries in MySQL and Native SQL.
* Created PyUnit test cases for unit testing.
* Added the navigations and paginations, filtering columns, adding, and removing the desired columns for view.
* Worked in an agile development environment.
* Used GitHub for version control.
* Used PyQuery for selecting particular DOM elements when parsing HTML.

**SKILLS**

**Software/ Tools: :** Python, PyQT, PyQuery, ReactJS, MySQL, HTML, CSS, JavaScript, DOM, Ajax, agile, Web Services (SOAP), XML, PL/SQL, and Oracle SQL Developer.

**EDUCATION**

**Illinois Institute of Technology**

MASTER's in Information Technology and Management 2018- 2019

 **Visvesvaraya Technological University**

Bachelors in Electronics and Communications 2011–2015