**Dinesh**

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**PROFESSIONAL SUMMARY:**

* Overall **9 years** of experience as a Python Developer, expertise in designing and implementing robust applications.
* Experience in deploying applications in heterogeneous Application Servers TOMCAT, Web Logic.
* Hands on experience on AWS EC2 services for deploying applications.
* Hands on experience on Automated AWS using Boto3 Library
* Hands on development creating web page UI using Angular Js, Type Script, JavaScript, HTML, and CSS.
* Experience in ETL tools for data cleansing and data warehouse operation
* Sound knowledge in python ML Algorithm Logistic Regression for Predictive Analysis
* Worked in   Python selenium, PYTEST, PYUNIT, ROBOT, PYWINAUTO32
* Worked in  Apache Kafka for messaging in financial system
* Experience in Managing Docker orchestration and Docker containerization using Kubernetes.
* Experience with Design, code, debug operations, reporting, data analysis and Web Applications utilizing Python.
* Experience in Amazon Web Services (AWS) cloud platforms like EC2, Virtual private clouds (VPCs), Storage models.
* Experience in UNIX/Linux shell scripting for job scheduling, batch-job scheduling, automating batch programs, and forking and cloning jobs.
* Exposure to CI/CD tools - Jenkins for Continuous Integration, Ansible for continuous deployment.
* Experience in Python Development and Scientific Programming, and using Numpy and Pandas in Python for Data Manipulation.
* Proficient in Python, SQL, JavaScript,Azure, JSON, Python scripting, PySpark, and Docker. Demonstrated ability to lead complex projects, deliver high-quality code, and optimize solutions for maximum efficiency.
* Experience with Unit Testing / Test Driven Development (TDD), Load Testing and Integration Testing.
* Extensive experience in Using Kafka for the reliable and asynchronous exchange of important information between multiple business applications
* Experienced in version control systems using CVS, SVN and Git/Github and issue-tracking tools like Jira and Bugzilla.
* Experience in building frameworks and automating complex workflows using Python for Test Automation.
* Extensive experience in setting up CI/CD pipelines using tools such as Jenkins, Bit Bucket, GitHub, Maven, Nexus and VSTS.
* Experience in integrating code quality tools such as SonarQube, in CI/CD pipelines
* Experience in implementing server-side technologies with restful API and MVC design patterns with node JS and Django framework.
* Experience with Python ORM Libraries including Django ORM, and SQL Alchemy.
* Experience in Using Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Experience in working on different operating systems-windows,Jenkins, Linux, UNIX, and Mac also strong development experience on Linux-based operating systems such as Ubuntu, Red Hat and CentOS.
* Experience in implementing server-side technologies with restful API and MVC design patterns with node JS and Django framework.
* Experience with Docker, and deployment of applications inside software containers.
* Excellent interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and work well in a team environment. Experience in Managing AWS infrastructure using Boto3 to manage the infrastructure of the project including creating, deleting, and managing AWS resources such as EC2 instances, S3 buckets, RDS databases, and more.
* Strong command in JavaScript leading Frameworks Teams like Angular.js, React.js, backbone.js, bootstrap.js, NodeJS and Projects UI Designing Team.
* Experience with Splunk architecture and various components (indexer, forwarder, search head, deployment server) Heavy and Universal forwarder, and License model.
* Extensive experience in developing modern applications using various JavaScript frameworks like Angular, ReactJS, Typescript, NodeJS, NextJS and Bootstrap.
* Extensive experience in building isomorphic applications using ReactJS and Redux with GraphQL on the server side.
* Extensive experience in using Vue.js to create a simple API to loop through an array of bound data and also done two-way binding of data using Vue.js.

**TECHNICAL SKILLS:**

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| --- | --- |
| **OS Platforms** | Linux/Unix, Windows-98/NT, MAC OSX |
| **UI Frameworks** | UI, Javascript, React JS, Ajax, JQuery, Bootstrap, Angular JS |
| **IDE Tools** | Spring Tools Suite, Eclipse, IntelliJ, Net beans and Sublime Text |
| **XML Technologies** | XML, DOM, XSL, DTD, WSDL and XSLT |
| **Languages** | Python 3.x/2.x, R, Java, Shell Script |
| **Databases** | MySQL, SQL Server 2008, PostgreSQL |
| **Web Technologies** | AJAX, AWS EC Cloud, Amazon S3 JavaScript, HTML, DHTML, XHTML, XML |
| **Web development** | Rest, Soap, WSDL, XML, SOA, Apache CXF, Apache Axis 2, WSDL |
| **Versioning Tools** | Git, SVN |
| **Web servers** | Apache |
| **Frameworks** | Django, Web2py, Pyramid, Flask, Pylons Frameworks |
| **Other Tools** | Putty, Informatica, SQL developer, Photoshop, JIRA, Open stack |
| **IDE Tools** | Spring Tools Suite, Eclipse, IntelliJ, Net beans and Sublime Text |
| **Testing Tool** | JUnit, Mockito, POSTMAN and SOAP UI |

**PROFESSIONAL EXPEREINCE**

**Role: AWS Python Developer May 2022-Till**

**Client: OMES,OK**

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) of the application like requirement gathering, Design, Analysis and Code development.
* Involved in organizing meetings to know the needs of clients for the Enterprise solution Implementation. Written python module to view and connect to AWS S3 instance.
* Constructed product-usage data aggregations using Py-Spark, Spark SQL and maintained in AWS S3 location for reporting, data science dash boarding and ad-hoc analyses.
* Developed server by using Django framework, writing routes and queries to build Restful API.
* Developed Web based Dynamic Form Builder using HTML5, Django, CSS3,Mongo DB, and JavaScript Object-to-XML.
* Worked on developing Web Services with Python programming language and processed large datasets with Spark using PySpark.
* Parsed the unstructured data into semi-structured format by writing complex algorithms in Pyspark.
* Worked with JSON based REST Web services and Amazon Web services (AWS) with Azure architecture.
* Used AJAX to modify small portions of the web pages by sending a request to the server avoiding the need of reloading the entire web page.
* Designed and developed Web services using XML and JQuery.
* Created PL/SQL stored procedures, functions and packages for moving the data from staging area to data mart.
* Developed Web based Dynamic Form Builder using HTML5,Azure, Django, CSS3, and JavaScript Object-to-XML.
* Worked on Angular.JS to augment browser applications with MVC capability.
* Designed the front end of the application using Python.
* Developing Python Framework using Django to perform scan software unit monitoring.
* Developed front-end and back-end of the application using python on Django web framework.
* Involved in Developing a Restful API'S service using Django framework.
* Used Django framework to develop the application and used Python modules such as requests and urlib2 for web crawling.
* Involved in building database Model, APIs and Views using Python, to assemble an intelligent online arrangement.
* Used Python based GUI segments for the front-end usefulness, for example, choice criteria, created test outfit to empower exhaustive testing using Python.
* Wrote python scripts to parse XML documents and loaded the data in database.
* Wrote Python normalizations scripts to find duplicate data in different environments.
* Generated Python Django forms to record data of online users and used PyTest for writing test cases.
* Involved in writing scripts using python modules and its libraries like NumPy,Jenkins, Django, Scipy, Matplotlib, Pandas to develop programs that improve processing of access requests.
* Involved in automating data movements using python scripts, involved in splitting, validating and processing of files.
* Involved in Agile Methodologies, Scrum stories and sprints experience in a Python based environment.

**Environment**: Python 3.x, Django, HTML5,MongoDB, CSS3, JavaScript, Angular.JS, MVC, Numpy, Pandas, Matplotlib, urlib2, XML, AWS, PyTest, PySpark, AJAX, JQuery, PL/SQL, Agile and Windows.

**Client: Amex, AZ Sep 2020 to Apr 2022**

**Role: Sr. Python Full Stack Developer**

**Responsibilities:**

* Did full-page caching well using Varnish and could handle massive traffic without breaking a sweat.
* Designed and implemented a complete Machine learning architecture pipeline from scratch utilizing Machine Learning Operations (MLOps) pipelines and procedures that helped interns and coworkers add new functionality
* Experienced in taking advantage of Nginx in combination with Apache by using it as a reverse proxy.
* Performed Exploratory Data Analysis (cleaned, visualized & MapReduce) and further customized ETL pipelines for greater data availability and created a unified source of quality data and performed A/B Testing on it
* Supported development of Web portals, completed Database Modelling in PostgreSQL, front end support in
* HTML/CSS, Azure,Mongo DB, JQuery.
* Collaborated with the team to efficiently develop Machine Learning models in an Agile Environment
* Optimize pre-processing data using multi-processing Python tool to change data into Numpy format, using less amount of RAM and altering data structure algorithms to reduce run time by 50%
* Debugging the application and following messages in log files, to figure out the error if existing.
* Designed and maintained databases using Python and developed Python based API (RESTful Web Service) using Flask,
* SQL Alchemy and PostgreSQL.
* Involved in analysing the problems using transaction breakdown, network monitoring and resource monitoring to find
* the performance bottleneck.
* Implemented NLP in understanding the question by some keywords that are extracted from images using OCR and word2vec and used the yolov5 model to detect the content and shape from the document then create a flask application dockerized & deployed.
* Maintained and monitored frameworks like Django, flask
* Worked on optimization of YOLOv3, Zero-Short-Learning, and GANs algorithms and reduced their training time by 50%.
* Developed monitoring application which captures the error related data and store it in database.
* Involved in scrubbing project, which updates the existing data with hashed values.
* Created Python scripts to perform ETL processes using Glue, MongoDB,, Lambda, and Sage Maker.
* Built Excel and Tableau dashboards, tools, and ad-hoc reports to improve reporting, analytics, and visualization needs while working collaboratively with stakeholders and delivering projects on time in an Agile team environment.
* Reverse engineer and re-implement legacy back-end software into Python with minimal downtime.
* Work closely with project leads to learn about the Azure services, environment deployment, and integration with tooling.
* Performed Convolutional Neural Network techniques on facial and fingerprint data, and created a model that predicted whether a employee in the live footage is authorized with the record, with the prediction accuracy of 95%
* Used GitHub as a version control.
* Worked on UNIX environment.
* Optimized system performance and managed the API lifecycle
* Performed unit testing.
* Worked closely with leads in implementation exposure on service based, SOA, RESTful technologies.
* Strong experience in developing Micro-services using Drop wizard, Mongo DB, Jenkins,Spring Boot, Lagom.
* Work experience with Java Frameworks like spring, Hibernate.

**Environment:**Python**,**, Drop wizard, Spring Boot, Lagom, Kafka, JSON, GitHub, LINUX, Django, Flask, Varnish, Nginx SOA, REST

**Client: Symantec, AZ Feb 2019 to Aug 2020**

**Role: Python Developer/AWS Fullstack Engineer**

**Responsibilities:**

* Wrote Python scripts to parse XML documents and load the data in database.
* Developed tools using Python,Azure, Shell scripting, XML to automate some of the menial tasks. Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.
* Used JavaScript and JSON to update a portion of a webpage.
* Developed multi-threaded standalone app in Python to view Circuit parameters and performance.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Developed multi-threaded standalone application in Python, Mongo DB, PHP,Jenkins, C++ to view Circuit parameters and performance.
* Designed views and templates with Python Django's view controller and templating language to create a web interface.
* Developed Business Logic using Python on Django Web Framework.
* Involved in back-end development using Python with Flask framework.
* Worked on front end frame works like Bootstrap for responsive Webpages for Single page application.
* Developed Python batch processors to consume and produce various feeds.
* Successfully migrated the Django database from SQLite to MySQL with complete data integrity.
* Created test harness to enable comprehensive testing utilizing Python.
* Performed testing using Django's Test Module.
* Architected and developed Python and Django for the backend development and front-end application using PostgreSQL for database.
* Provided GUI utilizing PyQt for the end user to create, modify and view reports based on client data.
* Prepared test data files using Linux Shell scripts, Perl script as per the business requirements.
* Worked in consuming RESTful web services using jQuery and React.js along with JSON parsing to render the response data to User Interface.
* Designed and developed data management system using MySQL.
* Used python scripts to update content in the database and manipulate files.
* Developed web applications implementing MVT/MVC architecture using Django, Flask.
* Worked on API's deploying queries, status codes, requests to retrieve data in JSON format
* Coordinated with team members to improve quality assurance and mitigate risks.

**Environment**: Python, PyQt, PyQuery, Django, MVW, HTML5/CSS3, Shell Scripting, JSON, NumPy, jQuery, GitHub, MVT/MVC, SQL, Oracle, Windows.

**Client: Red Hat, NC Aug 2017 to Jan 2019**

**Role: Junior Python Developer**

**Responsibilities:**

* Deployed Django rest automation framework called as Controller on one instance (EC2).
* Manage and monitor multiple instances with windows platform where test execution happens through Ansible.
* Develop Ansible YMAL task script file for executing different multiple file.
* Develop API which creates EC2 instance in could and configure YMAL file to execute 400 test suits in daily execution.
* Develop Framework for unit testing, functional testing, regression testing for the MacAfee product.
* The framework developed in Django rest framework. Using this framework User can validate the product with multiple operating system at same time and get the result same time.
* Developed rest API in python which connect vSphere with multiple VMS act as runner.
* Develop rest API for adding TEST suit and TEST plan, execute, publish result.
* This framework has intelligence to describe test script issue or product issue
* Based on analysis logged in zira and categories the defects
* Also do defect analysis, crash monitor, data analytics

**Environment:**Rest API(Requests), Python, Pytest,Jenkins,pywinauto, PYQT, Django, Angular Js, Jenkin Python API, SQL, EC2, Ansible

**Client: Mindgrep, India May 2014 to Dec 2016**

**Role: Software Developer**

**Responsibilities:**

* Done the analysis for different business functionalities
* Done version upgradations and thread hanging problem solution
* Done Rest API for the RI database and been part of that
* Different design work and sequence diagrams
* Design and development to give best solutions.
* Captured some database bugs for the Customer API also.
* Given training to others and framework execution training.
* Done the initial analysis of the project
* Got the necessary details of different tools to be converted
* Worked for the conversion of Excel data to MySQL Schema and data upload
* Done the work for the report form of the data by Angular js and UI grid
* Given the way for Editing the data and storing the data in the backend database
* Done the Report Creation with the different fields.
* Done the calculation module for excel macros.
* Done fine tuning and integrations
* Worked on LG health watch Rest API automation:
* Written Rest API script for all the API (POST, GET, UPDATE, DELET)

**Environment:**PYTHON, PYTEST, MySQL, Angular Js, UI grid, Json calls for the Rest API, Angular js controller frameworks, python built in modules, json, Rest API, Pytest.