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| **Ram Ravuri**  [**rajravuri716@gmail.com**](mailto:rajravuri716@gmail.com)  **214 227 2114**  **RESUME** |  |
| **SUMMARY** | |

* Around 7+ years of experience as a Web/Application Developer, Networking and coding with analytical programming using Python, C, C++, C#, Java.
* Good Experience with Django, a high-level Python Web framework. Experience object-oriented programming (OOP) concepts using Python, Django, and Linux.
* Experienced in developing web-based applications using Python, R, Django, C++, C#, XML, CSS, HTML, JavaScript, Angular JS and JQuery.
* Experience object-oriented programming (OOP) concepts using Python, C++, C# and PHP.
* Experienced in WAMP (Windows, Apache, MYSQL, Python/PHP) and LAMP (Linux, Apache, MySQL, Python/PHP) Architecture.
* Experienced in installing, configuring, modifying, testing, and deploying applications with Apache.
* Understanding of Python Best Practices (PEP-8).
* Well versed with design and development of presentation layer for web applications using technologies like HTML, CSS, and JavaScript.
* End-to-end web application development with Ruby and the Ruby on Rails.
* Design and Development using Ruby, Rails, MySQL and Goliath.
* Worked on SQL and PL/SQL stored procedures which are used to create access to data and deployed them to Oracle and SQL server databases.
* Familiar with JSON based REST Web services and Amazon Web Services (AWS).
* Experienced in developing Web Services with Python programming language.
* Good experience with Amazon Cloud EC2, Simple Storage Service S3 and Amazon SQS.
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL database.
* understanding the ECS processes and was tasked with communicating them affectively to potential and current clients.
* Deployed the server on AWS EC2.
* Worked in agile and waterfall methodologies with high quality deliverables delivered on-time.
* Maintained detailed documentation and architectural solutions in IT infrastructure and sales systems.
* Experience with continuous integration and automation using Jenkins.
* Experience with Unit Testing/ Test Driven Development (TDD), Load Testing.
* Created video publishing toolkit using WordPress (PHP/MySQL) and JavaScript to allow easy uploading of video by non-technical content mangers.
* Wrote Unit Tests and maintained PEP8 code.
* Experience in creating Docker Containers leveraging existing Linux Containers and AMI's in addition to creating Docker Containers from scratch.
* Developed a data migration feature using GZ File Compression and AES 256 encryption.
* Developed the required XML Schema documents and implemented the framework for parsing XML documents.
* Involved in Unit testing and Integration testing.
* Implemented automation script using Crontab in python to run the web crawler.
* Designed test systems and integrate Lab View automation with hardware test methods.
* Worked in Leveraging our offshore delivery infrastructure and our global network of sales and service offices.
* Experience in Infrastructure Development and Operations involving AWS Cloud platforms.
* Worked on AJAX framework to transform Datasets and Data tables into HTTP-serializable JSON strings.
* Excellent communication, interpersonal and analytical skills, and a highly-motivated team player with the ability to work independently.
* Practical experience with working on multiple environments like development, testing, production.
* Excellent analytical and problem-solving skills and ability to work on own besides being a valuable and contributing team player.

**Technical Skills:**

Programming Language: Python, R, Perl, Ruby, Java, Scala, C, C++, C#.

Database: MySQL, Oracle, SQL, Mongo dB, Cassandra

Web – Technologies: CSS, Java Script, JQuery, HTML, AngularJS

Operating System: UNIX, Linux, HPUX, Windows, Red hat Linux 4.x/5.x/6.x, Ubuntu

Modeling tools: TOAD, Erwin, Rapid SQL

Reporting Tools: SQR reports, AXS Point Reports

Web Servers: Apache Tomcat, WebSphere, WebLogic

Frameworks: Django, Bootstrap, Node JS, CherryPy, Pyramid, Hibernate.

**PROFESSIONAL EXPERIENCE:**

**Client: United Health Group, Windsor, CT**

**Role: Python Developer**

**Duration: Aug 2016 – Current**

**Responsibilities**:

* Generated Python Django Forms to record data of online users.
* Created PHP/MySQL back-end for data entry from Flash.
* Developed monitoring and notification tools using Python.
* Wrote Python routines to log into the websites and fetch data for selected options.
* Handled all the client-side validation using JavaScript.
* Designed and Developed User Interface using front-end technologies like HTML, CSS, JavaScript, JQuery, AngularJS, Bootstrap and JSON.
* Worked on installation of Docker using Docker toolbox.
* Created spreadsheets to track and control inventory in the Auto Test Framework.
* Worked with marketing company to build several Django, Pyramid, Flask and CherryPy applications.
* Utilize SVN and Review Board for version control, pep8 styling, and potential bugs Designed and created backend data access modules using PL/SQL stored procedures and Oracle.
* Building, packaging and deploying the code to the Hadoop servers.
* Involved and played a leading role in database migration projects from Oracle to MongoDB, Cassandra, CouchDB databases based on my custom software.
* Performing Data Entry and Data Validation in MS Access to stay on top of important KPIs and quality control.
* experience in using collections in Python for manipulating and looping through different user defined objects.
* Generated Python Django forms to record data of online users and used pytest for writing test cases.
* Involved in developing a video calling application using python web-sockets.
* Responsible for data extraction and data ingestion from different data sources into Hadoop Data Lake by creating pipelines using Pig, and Hive.
* Exposure to automation in Ansible using its Python API.
* Providing technical support for cyber security center, cloud, and virtual machine environments.
* Worked closely with clients to identify key targets and SIEM opportunities.
* Building and supporting libraries in the test automation infrastructure.
  + Skilled in using collections in Python for manipulating and looping through different user defined objects.
  + Worked on development of SQL and stored procedures on MYSQL.
  + Used Maven to validate, compile and deploy the files.
  + Developed Automated reports from shell script as per Client requirement.
  + Worked with packages like ggplot2 and shiny in R to understand data and developing applications.
  + Backup and restoration process in Solaris.
  + Writing MapReduce job with Hadoop and MapReduce Java API. Analyzing Bigdata by transforming, normalization and joining data.
  + Using Hive to be exploring and analyzing Bigdata to gain initial inside of data.

**Environment**: Python, R, AWS, Docker, MySQL, Django, Flask, PHP, Ruby, EC2, ECS, S3, XML, C#, C++, HTML, DHTML, CSS, Angular JS, Java script, Node JS, Windows, Linux, RackHD.

**Client: Cerner, Kansas City, MO**

**Role: Python Developer**

**Duration: Oct 2015 to Jul 2016**

**Responsibilities**:

* Participated in requirement gathering and analysis phase of the project in documenting the business requirements by conducting workshops/meetings with various business users.
* Used the Django Framework to develop the application.
* Implemented web applications in Flask and spring frameworks following MVC architecture.
* Used Python to place data into JSON files for testing Django Websites.
* Updated and manipulated content and files by using python scripts.
* User Interface for website with ERB, JQuery, RJS, Ruby, Ajax for View, Controller, Model in Ruby on Rails Framework.
* Worked on MS Access for some of the file imports and manipulations.
* Owned the M&A process and post-acquisition integration work for a firmware and OS consistency platform (RackHD(TM) in GitHub.
* Created all high-level design documentation for Ansible and Ansible Tower infrastructure.
* Organized Python code using PEP8 online tool including documentation of scripts.
* Implemented web applications in Flask and spring frameworks following MVC architecture.
* Installing, configuring and upgrading EMC Power-path for AIX servers.
* Used Django configuration to manage URLs and application parameters.
* Wrote Automation test cases using Selenium WebDriver using Python API.
* Abided by PEP8 Python coding standard for Squish scripts.
* Worked on Amazon Web Services(AWS) infrastructure with automation and configuration management tools such as Chef and Puppet.
* Developing Docker images to support Development and Testing Teams and their pipeline
* To achieve Continuous Delivery goal on high scalable environment, used Docker coupled with load-balancing tool Nginx.
* Pulled large dataset from Hadoop file system by using Linux commands and Hive query.
* Worked on UNIX Shell Scripting for invoking SQL scripts and scheduled them using crontab.
* Extensive experience in developing shell scripting.
* Wrote scripts in Python for automation of testing Framework jobs.
* Experience in Python (libraries used: Beautiful Soup, NumPy, SciPy, matplotlib, python-twitter, Pandas data frame, network, urllib2, MySQL dB for database connectivity) and IDEs - sublime text.
* Exploring with the Spark for improving the performance and optimization of the existing algorithms in Hadoop using Spark Context, Spark-SQL, Data Frame.
* Built a new CI pipeline. Testing and deployment automation with Docker, Jenkins, and Ansible.
* Generated Python Django Forms to record data of online users.

**Environment:** Python, R, Amazon AWS S3, EC2, ECS, Docker, MySQL, HTML, Python 2.7, Django 1.4, Ruby, HTML5, CSS, XML, MySQL, MS SQL Server, JavaScript, Node JS, AWS, Linux, RackHD, Shell Scripting, AJAX.

**Client: Asurion, Sterling, VA.**

**Role: Python Developer**

**Duration: Jan 2015 to Aug 2015**

**Responsibilities**:

* Part of team implementing REST API's in Python using micro-framework like Flask with SQL Alchemy in the backend for management of data center resources on which OpenStack would be deployed.
* Used python libraries like Beautiful Soap, NumPy and SQL Alchemy.
* 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.
* 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.
* Worked on creation of custom Docker container images, tagging and pushing the images.
* Worked on creating the Docker containers and Docker consoles for managing the application life cycle.
* Strong record of achievements in ERP application design and building architectural standards, technical support, training, configuration and testing, troubleshooting.
* Install fixes and upgrades for primary applications on the ERP servers as requested.
* Architected and designed Rapid deployment method using Ansible to auto deploy servers as needed.
* 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.
* 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 python Action module to Query CARBON BLACK BINARY DATA to get process count for malicious md5 in enterprise network traffic.
* Worked on RESILIENT IBM - ARC-SIGHT CONNECTOR to generate event alert on network activity using python.
* Developed the project in Linux environment.
* Used Agile Methodology and SCRUM Process.
* Maintained the versions using GIT and sending the release notes for each release.

**Environment**: Python 2.4, R, CSS, HTML, BOOTSTRAP, JavaScript, JQuery, Node JS, AJAX, MYSQL, S3, EC2, ECS, Linux, Heroku, GIT, flask and python libraries such as NumPy, SQL Alchemy, MySQL DB, Automation framework, Jenkin.

**Client: Textron India PVT Ltd, Bangalore, India**

**Role: Python Developer**

**Duration: Aug 2012 to Sep 2014**

**Responsibilities**:

* Participated in the complete SDLC process and used PHP to develop website functionality.
* Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS, and JavaScript.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Virtualized the servers using Docker for the test environments and dev-environments needs, also configuration automation using Docker containers.
* Designed and developed data management system using MySQL. Built application logic using Python 2.7.
* Used Django APIs for database access.
* Angular.js is used to build efficient backend for client web application.
* Used Python to extract information from XML files.
* Expertise in Service Oriented Architecture (SOA) and its related technologies like Web Services, BPEL, WSDLs, SOAP1.1, XML, XSD, XSLT etc.
* Troubleshoot and resolve issues with the ERP infrastructure.
* Implemented Spark using Scala and Spark SQL for faster testing and processing of data.
* Worked with search business and search team to implement dynamic rule updates to search using elastic search.
* Participated in requirement gathering and worked closely with the architect in designing and modeling.
* Worked on development of SQL and stored procedures on MYSQL.
* Developed shopping cart for Library and integrated web services to access the payment (E-commerce)
* Designed and developed a horizontally scalable APIs using Python Flask.
* Designed Cassandra schema for the APIs.
* Developed and implemented Python scripts to automate retrieval, parsing and reporting of configuration parameters from Network Devices connected to customer networks.
* Good knowledge on Spark platform parameters like memory, cores and executors.
* Experienced with batch processing of data sources using Apache Spark and Elastic search.
* Implemented monitoring and established best practices around using elastic search.
* Effectively communicated with the external vendors to resolve queries.
* Used GIT for the version control.

**Environment**: Python 2.6/2.7, JavaScript, Django Framework 1.3, CSS, SQL, MySQL, LAMP, JQuery, Adobe Dreamweaver, Apache web server.

**Client: Four soft IT Solutions, Hyderabad, India**

**Role: Java/SQL Developer**

**Duration: Aug 2010 to June 2012**

**Responsibilities:**

* Involved in developing the UI pages using HTML, DHTML, CSS, JavaScript, JSON, jQuery, Ajax.
* Involved in writing test cases using JUNIT.
* Involved in developing HTML and JavaScript for client-side presentation and data validation on the client side with in the forms.
* Created Servlets and Beans to implement Business Logic.
* Created database access layer using JDBC and PL/SQL stored procedures.
* Designed object model, data model, tables, constraints, necessary stored procedures, functions, triggers, and packages for Oracle Database.
* Managed Hadoop log files and Analyzed the web log data using the Hive(HQL).
* Monitoring Hadoop scripts which take the input from HDFS and load the data into Hive.
* Experience in Database optimization and developing stored procedures such as Triggers, Cursors, Joins, Views and SQL for various databases like MySQL, Oracle.
* Developed test plans and procedures from the requirement and specification documents.
* Worked on Java based connectivity of client requirement on JDBC connection.
* Used data types like dictionaries, tuples and object-oriented concepts-based inheritance features for making complex algorithms of networks.
* Involved in peer code reviews and performed integration testing of the modules.

Followed coding and documentation standards.

**Environment:** Java, Servlets, JDBC, HTML, CSS, JavaScript, JSON, XML, PL/SQL, SQL, web services, JUNIT.

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| **EDUCATIONAL QUALIFICATION** |

* **Master’s in Computer Science from University of Central Missouri, Missouri, U.S.A.**
* **Bachelor’s in Electrical and Communication Engineering**