|  |  |
| --- | --- |
|  | **Ravi Reddy**  **Phone: (816)-772-9687**  **Email: ravireddy3262@gmail.com** |
| **QUALIFICATIONS 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.
* 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: Agfa Health Care, Westerly, RI**

**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 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.
* Used different Hadoop components in Talend to design the framework.
* 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 also quality control.
* Gathering Clinical data by designing reporting metrics using Lauris Views and creating ad hoc reports using SQL query and Macros in MS Access database.
* 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, MySQL, Django, Flask, PHP, Ruby, EC2, ECS, S3, XML, C#, C++, HTML, DHTML, CSS, Angular JS, Java script, 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.
* Extending RackHD(TM) technology to include the InfraEnablers suite for expansion of infrastructure management and orchestration technology capabilities.
* 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.
* 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 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.
* Wrote Ansible Playbooks with PythonSSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on AWS instances using Python. Run Ansible Scripts to provision Dev servers.
* Wrote Automation test cases using Selenium WebDriver using Python API.
* Generated Python Django Forms to record data of online users.

**Environment:** Python, R, Amazon AWS S3, EC2, ECS, MySQL, HTML, Python 2.7, Django 1.4, Ruby, HTML5, CSS, XML, MySQL, MS SQL Server, JavaScript, 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.
* 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.
* Our Line Of Business consists of 4 Ansible towers. We have main playbook. Yaml for maintaining roles, inventory files and groups variables.
* 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, 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.
* Designed and developed data management system using MySQL. Built application logic using Python 2.7.
* Used Django APIs for database access.
* Provided GUI utilizing PyQt for the end user to create, modify and view reports based on client data.
* 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.

|  |
| --- |
| **EDUCATIONAL QUALIFICATION** |

* **Masters in Computer Science from University of Central Missouri, Missouri, U.S.A.**
* **Bachelors in Electrical and Communication Engineering JNTU, Kakinada, India.**