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**SUMMARY**

* Overall 8 years of experience as a Web/Application Developer and object-oriented programming (OOP) coding with **Python, Django, C++.**
* Extensive knowledge in **Python, Java**, **MySQL**, Oracle, Unix, Linux and in Object oriented Design and Programming concepts.
* Cognitive about designing, deploying and operating highly available, scalable and fault tolerant systems using **Amazon Web Services (AWS).**
* Highly skilled in deployment, data security and troubleshooting of the applications using **AWS services**.
* Experienced in implementing Organization **DevOps strategy** in various operating environments of Linux and windows servers along with cloud strategies of **Amazon Web Services**
* Proficient in writing **Cloud Formation Templates** (CFT) in **YAML** and **JSON** format to build the AWS services with the paradigm of Infrastructure as a Code.
* Gained experience in deploying applications on to their respective environments using **Elastic Beanstalk**.
* Experienced with event-driven and scheduled **AWS Lambda** functions to trigger various AWS resources
* Driven to architect Big Data solutions on multiple platforms using data analytics
* Extensive knowledge in **Python, PHP, MySQL, NoSQL, UNIX**and**Linux.**
* Experience with Design, code, debug operations, reporting, data analysis and web applications utilizing Python.
* Worked with MVW frameworks like **Django, Angular JS, HTML, CSS, XML, Java Script, jQuery** and **JSON**.
* Hands on experience working in WAMP (Windows, Apache, MYSQL, and Python/PHP) and LAMP (Linux, Apache, MySQL, and Python/PHP) Architecture.
* Experienced in using Caching applications for large scale applications like **Memcached, Redis.**
* Expertise in Production support. Provided first, second and third level support to different organizations. Used pdb, gdb and other debugging tools and deployed production hot fixes.
* Experienced in working with various Python IDEs using **PyCharm, Spyder, NetBeans, PyStudio, PyScripter, Eric, Wing IDE** and **PyDev.**
* Adept at automating repetitive work through Shell scripts and Python
* Good experience of software development in Python (libraries used: libraries- Beautiful **Soup, PySpark, NumPy, SciPy, Matplotlib, asyncio, python-twitter, Pandas data frame, network, urllib2,** **MySQL** for database connectivity) and **IDEs -sublime text, Spyder, PyCharm, pytest, Eclipse, emacs**.
* Created internal diagnostic tools using **Golang**and **AngularJS** in order to assist with customer issues. **Golang** and **Java** were used as a backend REST service while **AngularJS** was used for the user interface.
* Developed responsive web product features using React JS, SASS, on **Golang** with REST.
* Built enterprise wide DNS historical data trending analysis tools in Go (Golang), Languages  
  with REST API for user queries as microservice.
* Building a Command line tool to interact with RESTful API using in **Golang**.
* Worked on Multi-Tier distributed Enterprise applications and data processing automation using Python.
* Expertise **in Object-Oriented design** and coding and experience in analyzing and handling large database using Oracle Relational Data Architecture.
* Experience in **Bash Shell Scripting, SQL** and Java Full stack web development using Python
* Excellent Experience in Code Refactoring and Udeploy. Solid ability to code in **JavaScript**.
* Basic Knowledge on JSON based REST Web services and Amazon Web services.
* Experienced in web applications development using **Django/Python, Flask/Python, DOJO, jQuery while using HTML/CSS/JS** for server-side rendered applications
* Experience of software development with Python and various libraries of **Python, Python-twitter, Pandas, Data frame, MySQL dB for database connectivity), Regular expression, File IO etc.**
* Skillful experience in Python by developing software's using new tools, libraries used: libraries- **Beautiful Soup, NumPy, SciPy, PySide, Python-twitter, matplotlib, Pickle, Pandas data-frame, urllib2, MySQL dB for database connectivity)** to improvise software development process.
* Working with backend **Python automation, CI pipelines, Docker and cloud provisioning/automation**.
* Experience in developing web applications by following Model View Control (MVC) Architecture using server-side application Django.
* Good knowledge about frameworks such as Bootstrap and Foundation.
* Excellent Experience on various Python integrated IDE's such as **Sublime Text, PyCharm, Eclipse and NetBeans.**
* Experience in developing web services (WSDL, SOAP and REST) and consuming web services with Python programming language.
* Good experience in using **Shell scripting** for automation by following **Python PEP.**
* Expertise in AWS Resources like **EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Formation, Cloud Watch, Security Groups.**
* Working experience with cloud infrastructure of AWS (Amazon Web Services) and computing AMI virtual machines on Elastic Compute Cloud (EC2).
* Have experience with **AWS LAMBDA** which runs the code with response of events
* Hands on experience with version control tools such as **SVN, JIRA, GitHub, and GitLab**.
* Developed Web-based applications using **python, Amazon Web Services, jQuery, CSS and Model View control frameworks like Django, Flask and JavaScript**.
* Experienced in Agile Methodologies and SCRUM process including Sprint planning, backlog grooming, Daily Standups and Code review.
* Knowledge of automation technology such as **Chef, Ansible and Puppet**
* Strong knowledge in **MongoDB** concepts - CRUD operations and aggregation framework

**Technical Skills:**

|  |  |
| --- | --- |
| **Languages** | C, C++, Python, JavaScript, PHP, XML, JAVA, SQL |
| **SCM Tools** | Subversion, Jenkins/Hudson, Jira, TFS, Confluence, Clear Case, GIT, GitHub. |
| **Operating Systems** | UNIX, Linux, Solaris, Windows, DOS, VMware |
| **Python Web Frameworks** | Django, Pyramid, Flask, web2Py. |
| **Database** | Postgre SQL, SQL Server, MYSQL and Oracle |
| **Application Servers** | Web logic, JBoss, IBM WebSphere, Apache tomcat5.5, IIS |
| **Development IDE** | PyCharm, Pydev Eclipse, Vim, Net beans, MS Visio, Sublime Text, Notepad++ |
| **Methodologies** | Agile, Scrum, Waterfall |
| **Delivery tools** | Saltstack, Chef &amp; Puppet |

**PROFESSIONAL WORK EXPERIENCE**

**CLIENT:** **Florida Blue – Jacksonville, FL April 2017 -Present**

**ROLE: Sr. Python Developer**

**DESCRIPTION:** Florida Blue Foundation is a trade name of Blue Cross and Blue Shield of Florida Foundation, Inc. Florida Blue Foundation is a separate, philanthropic affiliate of Florida Blue, Florida’s Blue Cross and Blue Shield company. Founded in 2001, the mission of the Foundation is to help people and communities achieve better health.

**RESPONSIBILITIES:**

* + - * Participated in requirement gathering and analysis phase of the project in documenting the business requirements by conducting workshops/meetings with various business users.
* Developed web applications and RESTful web services and APIs using Python, Django and PHP.
* Developed entire frontend and backend modules using Python on Django Web Framework with GIT.
* Developed backup and recovery engine for VM backup/recovery using VMware vSphere APIs, Golang programming language and RabbitMQ Message bus (communication interface).
* Used Go Programming Language (Golang)and Scala in the development of the application.
* Used GOLANG to log the different host system event and alert information to Cassandra database.
* Experience of the design patterns and best practices with Golang (and more) to start with design and get to deployable production systems including scale monitoring and instrumentation platform.
* Managed Linux and Windows virtual servers on AWS EC2 using Chef Server. Configured and monitored distributed and multi-platform servers using chef.
* Experience in core AWS services (S3, EC2, ELB, EBS, Route53, VPC, Auto scaling etc.) and deployment services (Elastic Beanstalk, Lambda, OpsWorks and Cloud Formation) and security practices (IAM, CloudWatch and Cloud trail).
* Placed data into JSON files using Python to test Django websites. Used Python scripts to update the content in database and manipulate files.
* Experience with Django, a high-level Python Web framework.
* Wrote Python scripts to parse XML documents and load the data in database.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Responsible for setting up Python REST API framework using DJANGO.
* Developing Python Framework using Django to perform scan software unit monitoring.
* Implemented task object to interface with data feed framework and invoke database message service setup and update functionality.
* Cleaned data and processed third party spending data into maneuverable deliverables within specific formats with Excel macros and Python libraries.
* Performed 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.
* Used Pandas library for statistics Analysis.
* Developed GUI using webapp2 for dynamically displaying the test block documentation and other features of Python code using a web browser.
* Published REST API's to fetch data from Elastic Search clusters for client-based applications to search assets and claims by multi-field indexes and Used Elastic Search for setting up the search cluster.
* Generated property list for every application dynamically using Python.
* Developed the back-end web services using Python and Django REST framework.
* Written functional Php unit test cases for Data Layer, and Search server classes using Django, Curl, XML, JSON, REST base services and Mongo DB.
* Used Selenium Library to write fully functioning test automation process that allowed the simulation of submitting different requests from multiple browsers to web application.

**Environment**: Java, Django, Flask, XML, MySQL, Linux, Shell Scripting, Mongo dB, SQL, Python 3.3, HTML5/CSS, Cassandra, JavaScript, PyCharm, GIT, Linux, Shell Scripting, RESTful, Docker, Jenkins, JIRA, jQuery, MySQL, AWS

**CLIENT:** **GE HEALTHCARE, WI May 2014 - March 2017**

**ROLE: Sr. Python Developer**

**DESCRIPTION:** GE Healthcare is the $19 billion healthcare business of GE (NYSE: GE). As a leading provider of medical imaging, monitoring, biomanufacturing, and cell and gene therapy technologies, GE Healthcare enables precision health in diagnostics, therapeutics and monitoring through intelligent devices, data analytics, applications and services. As leaders in medical imaging, mobile diagnostics & monitoring, digital and life sciences, the company connects innovative technology, data and biology to deliver on the promise of precision health**.**

**RESPONSIBILITIES:**

* Managed datasets using data frames and MySQL, queried MYSQL database queries from Python using Python-MySQL connector MySQL dB package to retrieve information.
* Development of real-time multi-tasking systems using Python and created data access modules in Python.
* Designed and developed components using Python with Django framework and Implemented code in Python to retrieve and manipulate data.
* Used Python & Django creating graphics, XML processing of documents, data exchange & business logic implementation between servers.
* Rewrote existing Python/Flask module to deliver certain format of data.
* Created script in python for calling REST APIs.
* Involved in designing user interactive web pages as the front-end part of the web application using various web technologies like HTML, JavaScript, jQuery and implement CSS for better appearance and feel.
* Extensively used Python requests urllib and urllib2 module to call web services.
* Involved in designing user interactive web pages as the front-end part of the web application using various web technologies like HTML, JavaScript, jQuery and implement CSS for better appearance and feel.
* Developing the Python automated scripting using Boto3 library for AWS Security audit and reporting using AWS Lambda for multiple AWS Accounts.
* Implemented task object to interface with data feed framework and invoke database message service setup and update functionality.
* Analyzed various logs that are been generated and used various Python libraries to predict/forecast next occurrence of event with various Python libraries.
* Refactored and extended large existing Django/Python code base, reducing the number of lines in code and duplication significantly.
* Query Optimization through MYSQL server tools for quick response time.
* Developed backend services and created many API's using Python Programming Language and SQL.
* Developed GUI screens for XTT & LD application using JSP, HTML and CSS.
* Wrote JavaScript functions to get Dynamic data and Client-side validation.
* Used jQuery to make the frontend components interact with the JavaScript functions to add dynamism to the web pages at the client side.
* Set up the deployment environment on Web Logic Developed system preferences UI screens using JSP and HTML.
* Worked in Java, J2EE, XSL, XML, Oracle, DB2, Struts, spring, Hibernate, REST Web services, Model driven architecture and software configuration management tools.
* Developed HTML, Swing and JSP pages for user interaction and data presentation.
* Created a Rich Single Page Application using HTML, CSS, AngularJs, jQuery and REST Services
* Developed Dash-Board to monitor and report Cache Coherence Servers
* Involved in developing custom taglibs, JSP, EJB's, Portlets and DB2 - stored procedures.
* Integrate the Oracle BPM with the Spring Framework in the enterprise layer.

**Environment**: Python, Django, HTML, CSS, JavaScript, Ajax, JSON, jQuery, MySQL, TOAD, SQL, DB2, WSDL, NetBeans, JBOSS, Coherence, ClearCase, Selenium, Water Fall Model, UML, JSP.

**CLIENT: Boston Scientific – Boston, MA Feb 2013 to April 2014**

**ROLE: PYTHON DEVELOPER**

**DESCRIPTION:** Boston Scientific is dedicated to transforming lives through innovative medical solutions that improve the health of patients around the world. At Boston Scientific, we work collaboratively to solve healthcare’s toughest challenges by developing solutions that matter most to those suffering from debilitating and life-threatening conditions and the healthcare professionals who provide their care.

**RESPONSIBILITIES:**

* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (SDLC) and used agile methodology for developing application.
* Interacted with the client end-users during requirements gathering sessions.
* Working as an application developer experienced with controllers, views and models in Django.
* Implemented Business logic, worked on data exchange, processed XML and HTML using Python 2.7 and its familiar framework Django.
* Worked on Python OpenStack APIs and used NumPy for Numerical analysis.
* Worked on real time in memory distributed systems.
* Designed and developed transactions and persistence layers to save/retrieve/modify data for application functionalities using Django and PostgreSQL
* Developed Application to access JSON and XML from Restful, Webservices from consumer side using JavaScript and Angular.JS
* Responsible for handling the integration of database systems.
* Used object/relational mapping (ORM) solution, technique of mapping data representation from MVC model to Oracle Relational data model with an SQL-based schema.
* Developed server-based web traffic statistical analysis tool using Flask, Pandas.
* Implemented and tested Python-based web applications interacting with MySQL.
* Wrote MapReduce code to make un-structured data into semi- structured data and loaded into Hive tables.
* Built complete Configuration Management for the Microservices using Kubernates, Docker and Ansible
* Developed entire frontend and backend modules using Python on Django Web Framework by implementing MVC architecture.
* 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.
* Strong Socket programming experience in Python and also implemented complex networking operations like race route, SMTP mail server and web server.
* Used Bootstrap as a mechanism to manage and organize the html page layout.
* Used Django configuration to manage URLs and application parameters.
* Wrote and executed various MYSQL database queries from Python using Python-MySQL connector and MySQL db package.
* Developed entire front-end and backend modules using Python on Django Web Framework.
* Implemented Performance tuning and improved the Performance of Stored Procedures and SQL Queries
* Installed and configured builder for application builds and deploying it.
* Upgraded internal and customer TLS/SSL Apache Web Server configurations; trained staff on proper implementations, potential issues/concerns, and automated changes with Ansible
* Responsible for debugging and troubleshooting the web application.
* Developed object-oriented programming to enhance company product management
* Wrote unit testing codes using unit test, resolving bugs and other defects using Firebug
* Used JIRA to assign, track, report and audit the issues.

**Environment**: Python, Django Web Framework, AWS, HTML, CSS, MySQL, JavaScript, jQuery, Sublime Text, PyCharm, Jira, GIT, pybuilder, unit test, Firebug, Web Services, HTML5/CSS, XML, JSON, Ajax

**CLIENT: Iblesoft Pvt Ltd – India May 2011 to Oct 2012**

**ROLE: PYTHON DEVELOPER**

**DESCRIPTION:** Iblesoft Inc. is a full-service software development, global resource placement and business consulting firm. With 13 years of Industry Expertise, Iblesoft Offers excellent custom software development services, iOS and Android app development services.

**RESPONSIBILITIES:**

* Involved in reviewing and understanding the Business requirements.
* Involved in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
* Developed various Python scripts to find vulnerabilities with SQL Queries by doing SQL injection, permission checks and performance analysis and developed scripts to migrate data from proprietary database to PostgreSQL.
* Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Designed the user interactive web pages as the front-end part of the web application using various web technologies like HTML, JavaScript, Angular JS, jQuery and implemented CSS framework Bootstrap for better appearance and feel.
* Developed remote integration with third party platforms by using RESTful web services.
* Developed web services that make database calls for inserts, updates, and select queries.
* Developed Unit, Integration and Performance Test Cases using Junit, Selenium and Rational Function Tester.
* Improved code reuse and performance by making effective use of various design patterns.
* Managed large datasets using Panda data frames and SQL.
* Wrote and executed various MYSQL database queries from Python using Python-MySQL connector and MySQL dB package.
* Wrote Maven scripts for compiling, building, packaging and deploying the WAR file.
* Deployed the project into Heroku using GIT version control system.
* Developed methods for Create, Read, Update and Delete (CRUD) in Active Record.
* Used Django evolution and manual SQL modifications was able to modify Django models while retaining all data, while site was in production mode.
* Expertise in creating and developing applications for android operating system using Android Studio, Eclipse IDE, SQLite, Java, XML, Android SDK and ADT plugin.
* Worked on Angular JS to augment browser applications with MVC capability.

**Environment**: Python, Angular, jQuery, JavaScript, AJAX, HTML/XHTML, XML, MySQL server, T-SQL, GIT, Reports, RESTful, Linux, JSON, AJAX.

**CLIENT: KERNEX Micro Systems – India August 2010 to May 2011**

**ROLE: SOFTWARE DEVELOPER**

**DESCRIPTION**: Established in 1991 and registered as 100% Export Oriented Unit with Software Technology Parks of India, Department of Electronics, Govt. of India, New Delhi, we are an ISO 9001:2008 certified company with expertise in Software, Hardware development and Systems Integration.

**RESPONSIBILITIES:**

* Followed Agile Methodologies to manage full life-cycle development of the project.
* Involved in web designing using HTML 4/5, XHTML, CSS 2/3, jQuery, JavaScript extensively used Table less Design in CSS for positioning.
* Developing applications using RESTFUL architecture using Node.js and PHP as backend languages.
* Writing SOAP and RESTful web services, in house ESB for a web claims application (Spring MVC, Angular JS, Active MQ, SOAP UI, Mockito, JSON, Build forge)
* Develop consumer-based features and applications using Python, Django, HTML, Behavior Driven Development (BDD) and pair-based programming.
* Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
* Implemented modules using Core Java APIs, Java collection, Threads, XML, and integrating the modules.
* Developed Reporting framework using JAVA and J2EE which will generate daily, monthly and yearly reports and prepared different framework design documents.
* Created tables, views, Types, triggers, complex join queries, stored procedures, and functions and modifications to existing database structure as required for addition of new features using SQL developer.
* Generated Use case diagrams, Activity flow diagrams, Class diagrams and Object diagrams in the design phase
* Used Java/J2EE Design Patterns such as Business Delegate, Session Facade, singleton in the project extensively, which facilitates clean distribution of roles and responsibilities across various layers of processing.
* Designed and developed data management system using MySQL
* Automated several processes by developing Python scripts
* Developed web application using FLASK, Python micro-frame work based MVC design architecture
* Exported/Imported data between different data sources using SQL Server Management Studio.
* Responsible for debugging and troubleshooting the web application.

**Environment**: Python, Django, HTML5, CSS, XML, MySQL, JavaScript, jQuery, CSS Bootstrap, MongoDB, T-SQL, JavaScript, Eclipse, Git, GitHub, AWS, Linux, Shell Scripting, SOAP, REST, PHP, .net.