**SAI DHEERAJ ALURI**

**Email:** dheeraj0328@gmail.com

**Phone:** (262)-955-1355

**Employer:** Subhash (929-360-0120)

Id- [subhash@bcgnj.com](mailto:subhash@bcgnj.com)

**Professional Summary:**

* Hands on experience as a Python Developer from 8 years, proﬁcient coder in multiple languages and environments including Python, RESTApi, AWS, C, C++ , and SQL.
* Used Extensively on several standard python packages like Numpy, matPlotLib, Pickle, PySide, django etc.
* Hands on Experience in building RESTful APIs, architecting complex systems with batch and real-time workloads, monitoring and instrumenting production systems.
* Develop Extract-Transform-Load (ETL) packages using SSIS to insert datasets to SQL server and generate project reports using SSRS and SQL.
* Hands on Experience in building scalable data and advance analytics solutions on AWS.
* Strong Scripting knowledge in PHP, Ruby.
* SQL Reference Mapper, using Regular Expressions Successfully mapped over a hundred thousand SQL references inside of SQL Object source code, VB code, SSRS reports, and DTS packages.
* Worked on various applications using python integrated IDE Eclipse, PyCharm, NetBeans, Geany.
* Good experience in developing web applications and implementing Model View Control (MVC) architecture using server-side applications like Django, Flask and Pyramid.
* Expertise in working with different databases like Microsoft SQL Server, Oracle, MySQL, Cassandra,PostgreSQL and Good knowledge in using NoSQL databases MongoDB.
* Worked with PHP, MYSQL, CSS, JavaScript, AJAX and XHTML to build a fully Web 2.0 compliant networking website.
* Responsible for TLS (Transport Layer Security) reporting
* Excellent working knowledge in UNIX and Linux shell environments using command line utilities.
* Application Stress tester, created and stress tested stand-alone, web-applications and generated graph reports.
* Observant to cyber security and data protection.
* Strong hands-on experience in Tableau
* 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.
* Experience working in both water fall and Agile software methodologies.
* Familiarity with development best practices such as code reviews, unit testing, system integration testing (SIT) and user acceptance testing(UAT).
* Highly motivated, quality minded developer, with proven ability to deliver applications against tight deadlines.
* Possess good interpersonal, analytical presentation Skills, ability to work in Self-managed and Team environments.
* Performed code reviews and implemented best Pythonic programming practices
* Hands on Experience in writing test scripts, test cases, test specifications and test coverage.
* Good experience in handling errors/exceptions and debugging the issues in large scale applications.

|  |  |
| --- | --- |
| Technical Skills: |  |
| Programming Languages | Python, C, C++, PHP. |
| Operating Systems | Windows server 2008, Sun Solaris, IBM AIX, RHEL, Ubuntu, Fedora. |
| Python Libraries | Python, Django, Flask, Beautiful Soup, httplib2, Jinja2, HTML/CSS, Bootstrap, Numpy, matPlotLib, Pickle, PySide, Scipy, wxPython, PyTables |
| Development tools | OpenGrok, Jenkins, Coverity, pylint, pdb, Sublime Text, Eclipse, emacs, gvim, Notepad++, gdb |
| Databases | Microsoft SQL Server, Oracle, MySQL, PostgreSQL and NoSQL database MongoDB (2.6,2.4), SSIS, SSRS |
| Version Controls | CVS, SVN, GIT, GitHub |
| Methodologies | Agile, SCRUM and Waterfall. |

**Professional Experience:**

**Client: Nielsen, Tampa, FL Jan 2016 – Present**

**Role: Sr. Python Developer**

**Responsibilities:**

* Prototyped web front-end to MDM.
* Design database using Erwin and Python/Django for DB scheme scripting
* Design MDM integration facilities (SOA-style)
* Built AJAX pages using PHP and created various asynchronous web applications.
* Develop SOAP client for testing MDM to SAP R/3 interoperation
* Develop scheme- and data-level database testing tool
* Develop data cleansing, retrieval, migration tools (ETL)
* Analyzed client needs and developed software tools to assist dynamic site content creation (Python, wxPython)
* Identifying and solving issues caused by plugins or feeds under PHP, MYSQL, HTML, CSS, JavaScript and JQuery Technology.
* Mainframe access profiles, using a series of algorithms created access profiles securing company mainframe system and allowing for auditing purposes and easier acclimation of new hires.
* SQL Workflow System, using Python created an adapter allowing communication between Sharepoint lists and SSIS packages. This system provides users the ability to create complex automation workflows
* Excel Batch uploader, software that quickly uploads large batches of Excel Workbooks into our SQL Databases, while providing sanitizing and validation services
* SQL Naming Conventions Enforcement, Using Python; Stored Procedures created a server job that enforces naming conventions for all SQL objects. Creating a more constant SQL environment
* Client Search Engine, Using Python and XLWings package created an excel interface to search for client info through our databases
* Integrated Opengrok into development environment for making source code visible across the organization.
* Used Agile Methodology and SCRUM Process.

**Environment:** Erwin, Python, Django, JavaScript, C++, SQL, ETL, SOAP, NodeJS, RabbitMQ, ElasticSearch, Bootstrap.

**Client: Ericsson, Piscataway, NJ Sep 2014 – Dec 2015**

**Role: Sr. Python Developer**

**Responsibilities:**

* Involved in preparing engineering specification with OOA and OOD. Used UML Tools to develop Use Case diagrams, Class diagrams, Collaboration and Sequence Diagrams, State Diagrams and Data Modeling.
* Developed application logic using Python, Java script, Java, C++
* Used JMS for updating Mailing plans and tracking them.
* Used Java Server Pages for content layout and presentation.
* Created Data layer in MYSQL.
* Extracted and loaded data using Python scripts and PL/SQL packages.
* Worked with the Database Schema design and normalization for database accessed by the procedural PHP pages.
* Supported Java application for Media portal management.
* Generated SWIG interfaces to co-ordinate between C++, Java and Python. Used JNI for communication between C++ and Java.
* Wrote python scripts to parse XML documents and load the data in database.
* Generated property list for every application dynamically using python.
* Creating unit test/regression test framework for working/new code
* Debugging and testing of the applications & fine-tuning performance. Provided maintenance support in production environment.

**Environment:** Java, Python, Javascript, HTML/CSS, MySQL, PL/SQL, JDBC, Unix Shell Scripting, TCP/IP, UDP, SNMP, Red Hat Linux.

**Client: GE,Health Waukesha, WI Oct 2013 – Aug 2014**

**Role: Python Developer**

**Responsibilities:**

* Involved in the Analysis, design and architecture of the application.
* Worked on requirement gathering and High-level design.
* Created PHP/MySQL back-end for data entry from Flash, I had to assist the Flash developer send the correct data via query strings.
* Used HTML/CSS, XML and JavaScript for UI development.
* Converted Visual Basic Application to Python, MySQL.
* Implemented PHP class for treatment relational Databases.
* Generated Python Django Forms, Crispy forms to record data, login and signup of online users.
* Experience in development test automation.
* Designed and Implemented a Random Unique Test Selector Package on processing large volume of data using Python and Django ORM.
* Skilled in using collections in Python for manipulating and looping through different user defined objects.
* Designed email marketing campaigns and created responsive web forms that saved data into a database using Python/ Django Framework.
* Skilled in using collections in Python for manipulating and looping through different user defined objects.
* Created Database tables, functions, stored procedures and wrote prepared statements using PL/SQL.
* Modified queries, functions, cursors, triggers and stored procedures for MySQL database to improve performance, while processing data.
* Involved in capturing the requirements for serial functional interface and other software requirements specification document.
* Extensive code reviewing using GitHub pull requests, improved code quality, and also conducted meetings among peer.
* Responsible for Parsing XML data using XML parser and Testing, fixing of the bugs and coding modifications.
* Database Administration activities like taking backup, checking log messages, looking for database optimization.

**Environment:** Python, Django, Jenkins, MySQL, Linux, HTML, CSS, JQuery, JavaScript, Apache, Linux, Git.

**Client: Accel Frontline, Bangalore, India Aug 2009 – Sep 2013**

**Role: Python Developer**

**Responsibilities:**

* Work with team of developers on python applications for RISK management.
* Design, develop, test, deploy and maintain the website.
* Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript.
* Designed and developed data management system using MySQL.
* Rewrite existing Python/Django modules to deliver certain format of data.
* Used Django Database API's to access database objects.
* Wrote python scripts to parse XML documents and load the data in database.
* Handled all the client-side validation using JavaScript.
* Expertise in writing Constraints, Indexes, Views, Stored Procedures, Cursors, Triggers and User Defined function.
* I have also used Selenium Library to write fully functioning test automation process that allowed the simulation of submitting multiple browser to web application.
* Used JQuery for all client-side Java script manipulation.
* Created unit test/regression test framework for working/new code.
* Using Subversion control tool to coordinate team-development.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Responsible for debugging and troubleshooting the web application.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.

**Environment:** Python, Django, MySQL, Linux, HTML, XHTML, SVN, CSS, AJAX, Bugzilla, JavaScript, Apache Web Server, Django.

**EDUCATION :**

* Bachelors in Computer Science Engineering From Sree Vidyanikethan Engineering College Tirupati, INDIA.