**Ken Sarratt**

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**Sr.Python Developer**

**Professional Summary:**

* 5+ years of experience in Web/Application Development in analytical programming using python with skills in analysis, design, development, testing and deploying software applications.
* Good experience using various python libraries to speed up development (libraries used: Beautiful Soup, NumPy, SciPy, Matplotlib, python-twitter, Pandas data frame, network, urllib2, MySQL dB for database connectivity, JSON libraries).
* Involved in Developing a Restful service using python Flask framework.
* Made Django web based apps for Insurance premium calculations.
* Developed entire frontend and back-end modules using python on Django Web Framework with GIT.
* Successfully Migrated the Django database from SQLite to MySQL to PostgreSQL with complete data integrity.
* Experience in Installing, upgrading and configuring RedHat Linux4.x, 5.x, 6.x and 7.x using Kickstart Servers.
* Experienced in implementing Puppet, Chef. Worked on Data-Center operation and migration across UNIX and Linux platforms.
* Experience in Creation and managing user accounts, security, rights, disk space and process monitoring in Solaris and Red hat Linux.
* Experienced in implementing and maintaining an Apache Tomcat /MySQL/PHP, LDAP, LAMP web service environment.
* Experienced in migrate an On-premises VM or Azure Classic VM to Azure ARM Subscription with Azure Site Recovery.
* Hands on experience in configuring and supporting site-to-site and remote access Cisco, IPSec, VPN solutions using ASA/PIX firewalls, Cisco and VPN client.
* Experience in Multi-Tier distributed Enterprise applications.
* Extensive experience in system analysis, design, development and implementation of web based and client/server application using HTML, Angular JS, Bootstrap, underscore JS, Node JS, CSS, JavaScript, AJAX, JSP, JDBC, XML, XSLT,Python, Django, PHP.
* Working knowledge in multi-tiered distributed environment, OOAD concepts, good understanding of Software Development Lifecycle (SDLC).
* Developed Java/J2ee applications using Hibernate, XML, Android, XSLT, and Basic ASP.net applications including using Core Java concepts like OOPS, Multithreading, Garbage Collections, and Collection etc.
* Experience in Implementation of MVC/ MVW architecture using Servlet, Django, and RESTful, SOAP web service and SOAPUI.
* Experienced in installing, configuring, modifying, testing and deploying applications with Apache, Tomcat and Web Sphere.
* Extensively followed development methodologies such as Agile (SCRUM), Water Fall.
* Excellent Experience of Databases such as MySQL, Oracle 8g/9g/10g, Microsoft SQL Server, PostgreSQL, SQL/PLSQL concepts.
* Good Knowledge of using IDE Tools like Eclipse, NetBeans, Android Studio, Visual Studio, IDLE.
* Experience on Ruby Reg-Ex for pattern and Text matching.
* Good command on full life cycle application development.
* Designed and developed video and blogging website on PHP using Word Press on wamp server using MySQL database.
* Experience with continuous integration and automation using Jenkins.
* Developed ColdFusion Components, custom tags and modified CF Objects.
* Experience with Unit testing/ Test driven Development (TDD), Load Testing in JIRA, JENKIN.
* Wrote AJAX framework to transform Datasets and Data tables into HTTP-serializable JSON strings.

**Technical Skills:**

* Programming Languages C++, Java, python, C#, PHP.
* Scripting Languages Shell Script, python, R, MATLAB.
* Databases MySQL, Oracle, Mongo DB, PostgreSQL, Redis.
* Operating Systems: Windows 8 & 10, GNU/LINUX, MAC O/S.Tools & Servers: R-Studio, MATLAB, Jenkins, Maven, Web Sphere, Tomcat.
* ETL: Map Reduce, Hadoop, Mahout.
* Machine Learning Libraries Theano, Scikit- learns, Numpy, Scipy, Matplotlib, Pandas, XGBoost, and NLP.
* Cloud Management Amazon Web Services.
* SDLC Agile, Waterfall, Scrum.
* Network TCP/IP, HTTPS/HTTP.
* IDEs Eclipse, PyCharm, Spyder, Sublime, Net beans.
* Versioning Tools Subversion, GIT, Perforce, SVN, CVS.

**Work Experience:**

**Client**: **Caterpillar, Mossville, IL March 2016 -Till Date**

**Role: Senior Python Developer**

**Responsibilities:**

* Used Django Database API's to access database objects.
* Used Query and Ajax calls for transmitting JSON data objects between frontend and controllers.
* Involved in building database Model, APIs and Views utilizing python, in order to build an interactive web  
  based solution.
* Used python based GUI components for the front end functionality such as selection criteria.
* Created test harness to enable comprehensive testing utilizing python.
* Used Amazon Web Services (AWS) for improved efficiency of storage and fast access
* Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.
* Involved in front end and utilized Bootstrap and Angular.js for page design.
* Created Data tables utilizing PyQt to display customer and policy information and add, delete, update  
  customer records.
* Used PyQuery for selecting particular DOM elements when parsing HTML.
* Used Wireshark, live http headers, and Fiddler debugging proxy to debug the Flash object and help the developer create a functional component.
* Used Pandas API to put the data as time series and tabular format for east timestamp data manipulationand retrieval.
* Having very good experience with BIG DATA.
* Created Business Logic using pythonto create Planning and Tracking functions.
* Created UI Screens for initiation and validation.
* Worked on UI using HTML5, CSS3 and Java Scripts.
* Developed multi-threaded standalone app in pythonand PHP to view performance.
* Used Pandas library for statistical Analysis.
* Developed tools using python, Shell scripting, XML to automate some of the menial tasks
* Working in team of Architects and Developers to build and deploy python Flask Peewee Linux AWS.
* Version control using GITHub.
* Involved in writing stored procedures using MySQL.
* Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.
* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Developed tools using python, Shell scripting, XML to automate some of the menial tasks. Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.
* Developed Business Logic using pythonon Django Web Framework.
* Developed views and templates with pythonand Django's view controller and templating language to create.

**Environment: Python3.x, Django, Shell Scripting, AWS, Pandas, PyQt, PyQuery, Wire shark, Flash, DOM, JSON, PHP, HTML5, CSS3, AJAX, JavaScript, Angular.js, Bootstrap, Apache Web Server, MYSQL, GitHub, LINUX.**

**Client: Hertz, Orlando FL. March 2013 - Feb 2016**

**Role: Python Developer**

**Responsibilities:**

* Developed views and templates with python3.6.1 and Django's view controller and templating language to create a user-friendly website interface.
* Used Amazon Web Services (AWS) for improved efficiency of storage and fast access.
* Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.
* 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, BIG DATA and JavaScript.
* Developed entire frontend and backend modules using pythonon Django Web Framework.
* Designed and developed Use-Case, Class and Object Diagrams using UML Rational Rose for Object Oriented Analysis/Object Oriented Design techniques.
* Designed and developed data management system using MySQL. Built application logic using python.
* 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 pythonto extract information from XML files.
* Expertise in Service Oriented Architecture (SOA) and its related technologies like Web Services, BPEL, WSDLs, SOAP, XML, XSD, XSLT etc.
* 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 pythonFlask.
* Designed Cassandra schema for the APIs.
* 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, JavaScript, Django Framework, CSS, SQL, MySQL, LAMP, JQuery, Apache web server.**