

Benjamin Whitefield
Python Developer
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Professional Summary:

- Over 2 years of IT experience in design, development, testing, and implementation of various stand-alone and client-server architecture-based enterprise application software using various technologies, analyzing complex business requirements & mapping them to system specifications.
- Experience in developing web-based applications using Python and Django
- Designed and implemented large scale business critical systems.
- Have excellent knowledge on python collections and multi-threading.
- Skilled experience in python with proven expertise in using new tools and technical developments.
- Good experience in developing web applications implementing Model Template View architecture using Django web application frameworks
- Experience on web development using HTML5 CSS/CSS3, JavaScript, JQUERY, Angular Js, Ajax, Bootstrap.
- Has good knowledge on reporting tool like Tableau
- Experience in implementing with server-side technologies with Restful API and MVC design
- Developed web applications and RESTful web services and APIs using Python Flask, Django, and PHP.
- Good knowledge of server Apache Tomcat, Web logic, Jenkins, Heroku
- Good knowledge of web services with protocols SOAP.
- Experience in developing applications using amazon web services like EC2, Cloud Search, Elastic Load balancer ELB, S3, Cloud Front, and Route 53.
- Experience in working with Amazon web services Amazon EC2 and Amazon s3
- Involved in writing stored procedures using MySQL
- Experienced in writing SQL Queries, Stored procedures, functions, packages, tables, views and triggers.
- Experienced in NoSQL technologies like MongoDB, Couch DB Cassandra, Redis and Databricks relational databases like Oracle, SQLite, PostgreSQL and MySQL databases.
- Good Experience in debugging the issues using pdb
- Leveraging queueing architectures with Rabbit MQ for scalability, performance and building.
- Proficient in writing unit testing code using Unit Test/PyTest and integrating the test code with the build process.
- Worked on Python Testing frameworks like Zope, PyTest, nose and Robot framework.
- Well versed with Agile with SCRUM, Waterfall Model and Test-driven development methodologies.
- Most of the applications were developed with Python, Django, and PostgreSQL using JIRA (Agile) methodology.

Technical Skills:

Programming Skills	Python 2.7/3+, Java, C, C++, Shell script, Bash script, SQL, MTV.
OS Platforms	Unix/Linux, Windows, iOS
Modules and Frameworks	Django, Flask
Tools	Eclipse, Notepad++, VsCode, Sublime Text
Web Technologies	HTML, CSS, Bootstrap, JavaScript, JQuery

Server Technologies	Apache
Databases	MySQL, Mongo DB, PostgreSQL, SQLite
IDE's	PyCharm, Eclipse, VsCode, Sublime
Methodologies	Agile, Scrum, Waterfall

Professional Experience:

NanoTech, Houston, TX
January 2018 - Till Date
Python Developer

Responsibilities:

- Development Life Cycle (SDLC) and used agile methodology for developing application. Upgraded existing UI with HTML, CSS, jQuery, and Bootstrap.
- Working as an application developer experienced with controllers, views, and models in Django.
- Restful web services using Python REST API Framework.
- Involved in designing and deploying multitude applications utilizing almost all the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling in AWS Cloud Formation.
- Automated Regular AWS tasks like snapshots creation using Python scripts.
- Build servers using AWS, importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
- Managed Virtual servers (Ubuntu, Linux, and Windows) on AWS EC2 using Open-Source Chef server.
- Deployed and monitored scalable infrastructure on Amazon Web Services (AWS) & configuration management using Chef
- Implemented the application using Python Spring IOC (Inversion of Control), Django Framework and handled the security using Python Spring Security.
- Tested entire frontend and backend modules using Python on Django Web Framework.
- Developed Server-side automation using Node JS scripting and connecting different types of SQL and NoSQL stores from Node JS.
- Used object-relational mapping (ORM) solution, technique of mapping data representation from MVC model to Oracle Relational data model with an SQL-based schema
- Implemented Performance tuning and improved the Performance of Stored Procedures and Queries.
- Installed and configured py Builder for application builds and deploying it.
- Used Selenium Library to write fully functioning test automation process that allowed the simulation of submitting different we request from multiple browsers to web application
- Developed and Deployed SOAP based Web Services on Tomcat Server
- Used Jenkins for continuous integration for code quality inspection and worked on building local repository mirror and source code management using Git hub.
- Used IDE tool to develop the application and JIRA for bug and issue tracking.
- Wrote unit testing codes using unit test, resolving bugs and other defects using Firebug,
- Used JIRA to assign, track, report and audit the issues.
- Used GIT to coordinate team development.

- Designed the front end of the application using Python, HTML, CSS, AJAX, JSON and JQuery. Worked on backend of the application.
- Used the Django Framework to develop the application.
- Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
- Used JavaScript and JSON to update a portion of a webpage.
- Developed consumer-based features and applications using Python, Django, HTML, Behavior Driven Development (BDD) and pair-based programming.
- Rewritten existing Python/Django modules to deliver certain format of data.
- Responsible for debugging the project monitored on JIRA (Agile)
- Wrote Python scripts to parse JSON documents and load the data in database.
- Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
- Implemented web applications in Flask frame works following MVC architecture.
- Worked on front end frame works like CSS Bootstrap for development of Web applications.
- Involved in deployment of project using AWS.
- Special skills in developing user friendly, simple yet effective web-based applications.
- Deployed the project into Heroku using GIT version control system.
- Worked in MySQL database on simple queries and writing Stored Procedures for normalization and denormalization.
- Used many regular expressions in order to match the pattern with the existing one.
- Build SQL queries for performing various CRUD operations like create, update, read and delete.
- Skilled in using Collections in Python for manipulating and looping through different user defined objects.
- Performed Unit testing, Integration Testing, web application testing.
- Taken part in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
- Worked in development of applications especially in UNIX environment and familiar with all its commands.