**ABHI**

**ab23sh@gmail.com**

**201-479-3218**

**Python Developer**

**Summary**

**•** 6+ years of experience as a Web/Application Developerand coding with analytical programming usingPython, Django, C++.  **•** Experience in Openstack API project to analyze the performance.  **•** Experienced with full software development life-cycle, architecting scalable platforms, object oriented programming, database design and agile methodologies.  **•** Experience in leading multiple efforts to build Hadoop platforms, maximizing business value by combining data science with big data.  **•** Design and develop required JavaScript / HTML components.  **•** Expertise in writing Automation test scripts using QTP 10.0 and VB script.  **•** Experienced in installing, configuring, modifying, testing and deploying applications with Apache.  **•** Experienced in automating deployment to a distributed architecture with tools such as Capistrano or Chef.  **•** Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL database.  **•** Worked in agile and waterfall methodologies with high quality deliverables delivered on-time.  **•** Experience in utilizing SAS Procedures, Macros, and other SAS application for data extraction, data cleansing, data loading and reporting.  **•** Experience with continuous integration and automation using Jenkins.  **•** Experienced in developing web-based applications using Python, Django, PHP, C++, XML, CSS, HTML, DHTML, JavaScript and Jquery in Linux based OS.

• Experienced in web applications development using Django/Python, Flask/Python, and Node.js, Angular.js, DOJO, Jquery while using HTML/CSS/JS for server-side rendered applications.   
• Experienced in developing API services in Python/Tornado, NodeJS while leveraging AMQP and RabbitMQ for distributed architectures.

**Work Experience**

**BedrockData ,Boston,MA**

**May 2013 to Present**

**Python Developer**

Responsibilities

Database modeling and design. Involved in developing and implementation of the web application using Ruby on Rails.   
• Simple web app for reviewing sitcoms that gives users the ability to view, add, review, up/down vote, search, etc.   
• Developed in Windows and going to deploy it in Linux server.   
• Utilized Active Record eager loading to improve rendering time of index pages, incorporated up/down voting, reviewing, and several custom sorting methods for shows to provide smooth user experience   
• Cross-referenced Seat Geek and Spotify APIs to get album artwork and track previews for each artist   
• Boston concert aggregator that provides a comprehensive list of shows in Boston with track previews, album artwork, tagging, up/down voting, and more to help users find the best show in town.   
• Exprienced in RSpec, Object-oriented programming, MySQL, JavaScript, jQuery and, Amazon Web Services, Knockout.

• Worked on CSV files while trying to get input from the MySQL database.   
• Created and executed test plans using PyUnit.   
• Translate Linear Algebra to MATLAB syntax.   
• Performed data cleansing by analyzing and eliminating duplicate and inaccurate data using PROC FREQ, PROC COMP, PROC UNIVARIATE, PROC RANK, and macros in SAS.   
• Demonstrate validation via MATLAB simulation for interpretation.   
• Worked with the testing team for resolving bugs.   
• Having Strong Knowledge on Data Management Department. Coding with Rumba, Stastics with Microsoft Excel, SAS,   
• Closely involved in performance evaluation and User Acceptance Test.   
 Environment:Python, MySql, RSpec, Linux, Selenium, Active Admin, Amazon, Web Services.

**ZeOmega ,Plano,TX**

**April 2011 to May 2013**

**Python Developer**

Responsibilities

Python and Cloud development engineer working on multiple client projects:   
 VMWare/Openstack API project   
Python app which accessed the OpenStack API to analyze performance of over 10000 servers hosted across multiple platforms: AWS, VMware, vCloud.   
• Created single-point view access to general and detail server performances   
• Allowed users to define areas of focus and analysis   
• Ability to self define dashboards and reports using a simple CMS system from the data gathered.   
 Private Cloud Formation Project   
Worked on a team of 8 developer and 7 DevOps to create a Private cloud for large cloud provider. Worked on changes to Openstack and AWS to accommodate large scale data center deployment.   
• Enhanced installation process for new data centers   
• Developed Python Scripts to manage the application library   
• Part designer of full virtualization of infrastructure   
• Liaison between DevOps and Infrastructure teams   
 Chef to Puppet Conversion   
Conversion of 300+ Chef Recipes and Cookbooks to Puppet Manifests and Puppet modules.   
• Automated the Conversion process   
• Used Puppet Rspec for testing   
• Provided documentation for DevOps and Network Engineering Teams   
 Amazon/AWS Cloud System Analysis   
Python app which analyzed CI server activity and response times, code deployment and environment migrations done in Amazon AWS.   
• Quick access to Amazon API   
• Rendered Dashboard which provided important milestone Metrics   
• Reduced the release cycle overhead by half   
 Multi-Site Financial System   
Interview, Process Redesign and Re-engineering for a distributed financial capture and transactional system. 

**Priceton Information ,JerseyCity**

**November 2008 to March 2011**

**Python Developer**

Responsibilities

Worked with the design team for project structure.   
• Performed Design and Code reviews.   
• Implemented the presentation layer with HTML, DHTML, Ajax, CSS and JavaScript.   
• Performed coding in C++ on Linux Platform.   
• Involved in writing stored procedures using MySQL.   
• Optimized the database queries to improve the performance.   
• Developed in Windows and going to deploy it in Linux server.   
• Worked on data exchange from website using XML, JAVA and Web Services.   
• Involved in writing stored procedures using MySQL.   
• Optimized the database queries to improve the performance.   
• Developed in Windows and going to deploy it in Linux server. 

* Created, using Python, a log collection agent application for Windows and Linux servers for forwarding of logs to LogPoint. Developed a variety of related log collection applications.
* Utilized Pythonto create a generic framework for log collection applications, design and implement pluggable collection engine architecture customized for various network devices & protocols, develop a normalizer engine for extraction of information from the logs, and provide performance improvements and new features for the systems. Led an integration team of 5-6 developers, performed unit testing and coached other developersin rewriting of older Pythonnormalizer engine code in C++.
* • Python, C++, JSON, Sqlite,Buildbot, Unfuddle, Sublime Text, Windows Server 2003, 2010 & 2012, Ubuntu, RedHat, Py2Exe, NSIS Installer, ZeroMQ.
* Content Management System Transformation   
  A cooperative of advertising and marketing firms in Brazil and SA to manage translation of English-language videos and stream in multiple platforms. Ability to mix and match cost and bidding scenarios.   
  • Created new revenue model for the group   
  • Enhanced working relationship between member companies   
  • Increased library from 20k to over 300k videos
* Training Video Repository   
  Dynamic portal for a large multinational with over 100,000 employees. The system was designed for managers and users to create, manage, edit and share video content across mobile and web platforms. Content included in-house created videos and external sources.   
  • Increased education participation   
  • Enhanced search process by over 50% for locating meaningful material   
  • Replaced legacy system which required large amounts of in-house servers
* Real Estate Folio Search Web portal w/mongo DB   
  Developed Folio search portal using Python, Django, MongoDB and Elastic search. Locate information about properties and valuation in public records.   
  • Quick turnaround of search result of images and text   
  • Created RestFul API feed from public data to application   
  • Removed redundancy in data for faster query downloads   
  • Allowed for Multiple Views of the data in grid, block, line formats
* Ad Campaign Analysis Portal   
  Portal used to maintain history of keyword usage and Ad results in multiple PPC campaigns. Analysis of similar & competitor ads against benchmarks.   
  • Increased PPC response rate by 30%   
  • Increased conversion by 20%   
  • Reduce time to analyze campaigns
* Revenue Matrix Dashboard System   
  Wrote process spec for an on-demand revenue analysis dashboard for management team. Dashboard worked as a web link and mobile application. Worked with IT team to create a large SQL back end of summary revenue tables: