

Python Developer Python Developer Python Developer - Charter Communications Alpena, MI  
Authorized to work in the US for any employer Work Experience Python Developer Charter  
Communications - Alpena, MI July 2017 to Present Responsibilities: Created a Python/Django  
based web application using Python scripting for data processing, MySQL for the database, and  
HTML/CSS/JQuery and Highcharts for data visualization of the served pages. Developed Python  
based API (RESTful Web Service) to track the events and perform analysis using Django.  
Designed Cassandra schema for the APIs and Parsed XML file using Python to extract data from  
database. Worked on Python Open stack API's and used NoSQL as database and followed  
Python test-driven development techniques. Developed server based web traffic statistical  
analysis tool using Flask, Pandas and implemented on premise MongoDB Monitoring Service  
(MMS) and created dashboards for monitoring the MongoDB environment. Developed a fully  
automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools  
developed in Python and Bash. Used Restful web service calls for the validation. Involved in  
Using AWS Cloud Watch performed Monitoring, customized metrics and file logging. Built  
Webservices using SOAP that allowed integrating the business application with the legacy  
applications and also facilitates for future applications. Involved in debugging the applications  
monitored on JIRA using agile methodology Designed and developed the UI of the website using  
HTML, AJAX, CSS and JavaScript. Added support for Amazon AWS S3 and RDS to host  
static/media files and the database into Amazon Cloud. Responsible for both back-end  
programming in PHP and front-end functionality using JavaScript, Ajax, JQuery libraries, and other  
technologies and developed GUI using PHP, HTML, CSS, JavaScript, jQuery, Bootstrap. Design  
and development of UI screens using JSP. Developed and implemented the user registration and  
login feature for the application process from scratch by extending Django user model. Worked  
with AJAX framework to get the asynchronous response for the user request and used JavaScript  
for the validation. Sr. Python Developer Eliassen Group - Austin, TX March 2015 to July 2017  
Responsibilities: Worked on server-side applications using Python programming. Worked in  
comprehending and examining the client's business requirements. Used Django frameworks and

Python to build dynamic webpages. Developed tools for monitoring and notification using Python.

Enhanced the application by using HTML and Java script for design and development. Used data structures like directories, tuples, object oriented class based inheritance features for making complex algorithms of networks. Created PHP/MySQL back-end for data entry from Flash and worked in tandem with the Flash developer to obtain the correct data through query string.

Involved in designing database Model, API's, Views using python to build an interactive web based solution. Generated Python Django Forms to record data of online users. Implemented Data tables to add, delete, update and display patient records and policy information using PyQt.

Implemented a module to connect and view the status of an Apache Cassandra instance using python. Developed MVC prototype replacement of current product with Django. Improved the Data Security and generated report efficiently by caching and reusing data. Created UI using JavaScript and HTML5/CSS3. Managed datasets using Panda data frames and MYSQL. Queried the database queries using Python. MySQL connector and retrieved information using MySQL db.

Recorded the online users' data using Python Django forms and implemented test case using Pytest. Developed the application using the Test-Driven methodology and designed the unit tests using Python Unit test framework. Created web application prototype using jQuery and Angular JS. Deployed the project into Heroku using GIT version control system. Maintained and Updated the application in accordance to the clientele's requiremen Python Developer GE Health Care - Waukesha, WI December 2012 to March 2015 Responsibilities: 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. Build all database mapping classes using FLASK models. Involved in building database Model, APIs and Views utilizing Python to build an interactive web based solution. Extensive experience in implementing Continuous Integration and Continuous Delivery (using Jenkins) in an AWS Environment. Created Test plans. Worked on SQL scripts to load data in the tables. Connected continuous integration system with GIT version control repository and continually build as the check-in's come from the developer. Coding groovy, domain class to handle the business logic. Developed entire frontend

and backend modules using Python on FLASK Framework. Developed custom screens using HTML5, JavaScript, jQuery, Bootstrap, Jinja and Angular.js. Developed monitoring and notification tools using Python. Expert knowledge of mobile application development along with various patterns native, web and hybrid concept. Involved in business logic discussions and use case design. Reviewed product requirement documents, functional specifications, and involved in developing test strategy, test plan and test case documents. Experience in Selenium Automation using Selenium Web Driver, Java and Unit Test Framework. Created Selenium web-driver automation scripts using Python to validate functionality on various browsers. Very good understanding of Microsoft Azure cloud platform. Experience with managing cloud delivery platforms, Azure/Aws. Established framework to setup Continuous Integration environment using Jenkins, Nexus. Extensive experience in implementing Continuous Integration and Continuous Delivery (using Jenkins) in an AWS Environment. Used Couchbase Python SDK to build applications that use Couchbase Server. Used Pandas API to put the data as time series and tabular format for fast timestamp data manipulation and retrieval. Involved in developing selenium automation framework using TestNG. Developed Maven targets to execute automation suites from command line. Worked on AWS Cloud and Created instances in EC2. Participated in weekly release meetings with Technology stakeholders to identify and migrate potential risks associated with the releases. Experienced in designing Test Plans and Test Cases, Verifying and Validating Web based application. Imported and managed multiple corporate applications into Subversion (SVN). Web developer Comcast - Englewood, CO August 2010 to December 2012 Responsibilities:

High Performing & Reliable collection platform development, Unix/Linux infrastructure application development including performance tuning and trouble shooting. Technologies; Ruby, Python, Oracle, Linux- Red Hat; Centos; Ubuntu; Bash, Korn. sed, gawk, regex, iptables, ssh. Developed software framework used for event collection encompassing all Comcast business lines. Framework includes stream and file collection- push/pull, proxying, distribution, and load balancing. Used Collection framework to replace a \$7 million dollar 3rd party Video On Demand system and \$8.2 million back office system. Application supports over 345 million transactions per week with 2/3's of

the markets rolled out. System footprint is less than 150M of memory and work load of less than 1.2.

Used framework to create data Collection for Interactive TV system. The application proxies user interactions from the set top box to content providers. System is currently in trial with approximately 20 million transactions per week. Framework was put against commercial/vendor applications in a performance test. Framework collected streamed data at a rate of 5-6k per second with the nearest competitor at 4.4k. Used framework to create the Canoe system for national voting and polling. Comcast was recognized as the first MBO nationally to complete an end to end test with Canoe Ventures using this application. Utilize sysctl's, ulimits and other tools to profile and performance tune applications at the OS, kernel, and network level. Trouble shoot across all spectrums from application, environment, OS, network, hardware, and security using various linux tools ranging from traceroute to tcpdump. Created a virtual test environment using Apache, iptables, and other software to mimic real system failures ranging from network to service level. Provide technical guidance and solutions on software, hardware, security, and networking to department and throughout Comcast. Components from the framework exist in every major Comcast business line.

Education Bachelor's

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