**Ashish Bajracharya**

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(469)209-4365

**PROFESSIONAL SUMMARY:**

* 7 years of experience in Python application development and data analytics
* Hands on experience in statistical techniques for Data Modelling, Data Architecture and Data Analysis
* Sound knowledge of Object Oriented Programming concepts
* Experience with Python web frameworks like Django and Flask
* Skilled in Python modules like Pandas, NumPy, Matplotlib, Pickle, Scikit - learn, PySide, SciPy, PyTables and Beautiful Soup for generating complex graphical data
* Worked with various Python Integrated Development Environments like JupyterLab, PyCharm, PyScripter, Spyder, Visual Studio, PyDev, PyStudio and Net Beans
* Experience in writing Python scripts in automating AWS for data upload and download
* Hands on experience in writing stored procedures, SQL queries, creating indexed views functions and triggers which help in data manipulation
* Experience in Python web application frameworks like Django, Flask for developing web applications implementing Model View Control architecture
* Experience in development of web application using Python, Django, HTLM5, CSS3, JavaScript, jQuery, JSON and AJAX.
* Good Experience working with WAMP (Windows, Apache, MYSQL, and Python)
* Certified Scrum Master with excellent understanding of Software Development Life cycle (SDLC) and its frameworks like Agile and Waterfall
* Knowledgeable in various stages of project including Business Requirements, Technical Architecture, Design Specification, Development and Deployment.
* Extensively use of UML for designing to develop various use cases, class diagrams and sequence diagrams.
* Hands on knowledge of Jenkins as a Continuous Integration server to configure with Ant/Maven
* Experience in analyzing and handling large datasets using Oracle Relational Database 10g (10.2.0.3, 10.2.0.4, 10.2.0.5) and IBM DB2
* Knowledgeable in using NoSQL databases like Apache, Cassandra (1.2, 2.0 and 2.1), Mongo DB (2.6, 2.4), and Orient DB.
* Experience in using various version control systems like CVS, SVN and Git
* Experienced in documenting technical reports and project related documents for future references
* Experience in using UNIX shell scripts for automating batch programs
* Experience in data analytics and visualization using R, Python and Tableau

**CERTIFICATIONS:**

* IBM certified Data Science Professional
* Machine Learning for Data Science
* Databases and SQL for Data Science
* Open Source Tools for Data Science
* Data Science Methodology
* Certified ScrumMaster, Agile Methodology

**EDUCATION:**

**Harrisburg University**, Harrisburg, PA (2018-2019)

Master of Science in Data Analytics

**Northeastern University**, Boston, MA (2014-2016)

MBA in Supply Chain Management

Northeastern University MBA Achievement Award

**McKendree University**, Lebanon, IL (2006-2010)

Bachelor of Business Administration in Accounting and Economics/Finance

McKendree University School of Business Outstanding Economics and Finance Student

**PROFESSIONAL EXPERIENCE:**

**Fidelity Investments-** **Westlake, TX**

**Feb 2017 – Feb 2019**

**Role: Python Developer, Category Management**

**Responsibilities:**

* Worked extensively with SAP and Oracles databases to compile and analyze data in Python
* Executed MYSQL database queries from Python using Python-MySQL connector and MySQLdb package
* Implemented and tested python based web applications interacting with MySQL
* Used SQL to manipulate data, query expressions and join statements
* Used SQLAlchemy with Flask and MySQL as database for developing web application
* Use Django APIs for accessing databases
* Worked on Django ORM module for signing complex queries
* Create intuitive graphs and dashboards in Python, using Matplotlib library
* Conduct discovery analysis and data mapping analysis
* Support data conversion process by analyzing data patterns to correctly identify data
* Perform diagnostic and predictive analytics to increase efficiency and reduce risk to Fidelity through contingent workforce management
* Perform cluster analysis for supplier base consolidation
* Involve in Data Extraction, Transformation and Loading (ETL process) from source to target systems
* Communicate extensively with business partners for requirements gathering and developing detailed Product Requirement Documents
* Develop predictive models to design sourcing strategies for the IT groups to drive cost savings and ensure Fidelity is making informed, best value purchasing decisions
* Use Atlassian JIRA and Agile methodology to develop and design framework templates

Environments: Python 3, Tableau, Django, Flask, Jupyter Notebook, Spyder, SAP, MySQL, Oracle, AWS, PySpark, GIT, Django, Atlassain JIRA, IBM Emptoris, Linux.

**GCP Applied Technologies- Cambridge, Massachusetts (Former: W.R Grace)**

**Jun 2015 – Jun 2016**

**Role: Python Developer, Supply Chain**

**Responsibilities:**

* Used SAP database to compile and Python to analyze data on raw material spend and demand
* Used Django Migrations for designing and expanding of the database
* Wrote SQL database queries from Python using IBM\_DB API and IBM DB package
* Performed prescriptive analytics to enhance strategic sourcing, saving $450,000 in corn syrup procurement and $150,000 in Calcium Nitrate procurement
* Performed diagnostic analytics in R to analyze correlation between oil and raw materials, predictive analytics to develop forecasting models and shared it with Business Unit partners using WordPress and Django CMS plugins
* Developed server based statistical analysis tool using Flask, Pandas
* Performed business process analysis and developed financial models in R, enabling management in making quicker financial projections to stakeholders

Environments: IBM\_DB2, Python 3, Django, PyCharm, Jupyter Notebook, Anaconda, SAP, MongoDB, Business Warehouse, R, R Studio, Git, Linux.

**U.S. Agency for International Development, Nepal**

**Aug 2011- Jun 2014**

**Role: Python Developer**

**Responsibilities:**

* Created and populated digital brochures and built photo galleries on website in the Django CMS and Django CMS plugin
* Developed a dashboard using Python to provide the management with an overall understanding of resource optimization
* Managing content population and deployments through Django CMS
* Generated data models and data visualization using packages such as Dplyr, Ggplot2, Sqldf, and Flexdashboard in R to transform financial data into useful information
* Performed data analysis by gathering, analyzing and deploying spatial data from its pristine form to derive financial projections
* Developed various statistical models to help in better decision-making on sector growth and company forecasts

Environments: Django, Python, R, R Studio, SAP, Tableau, Google Fusion Tables, Git, Linux.

**Traci Allen Inc., Washington, D.C.**

**Aug 2010 – Apr 2011**

**Role: Business Intelligence Analyst**

**Responsibilities:**

* Created data visualization and dashboards using Tableau
* Performed data analytics and data visualization using packages such as Dplyr, Ggplot2, Sqldf, and Flexdashboard in R to help senior management make intelligent business decisions
* Performed cluster analysis in R to generate supplier profile
* Used Dplyer and TidyR to explore spend trends and patterns
* Used Python libraries like NumPy, Pandas, and SQLAlchemy to develop forecasting models to predict company revenue and expenses
* Performed hypothesis test, Chi-Square test, ANOVA test, Linear Regression and Logistic Regression to analyze revenue, expense and customer groups
* Developed financial reports and analyzed financial accounts and statements

Environments: Tableau, R, R Studio, Anaconda, Oracle, Linux