

Python Developer Python Developer Oakland, CA Authorized to work in the US for any employer

Work Experience Python Developer Lawrence Berkeley National Laboratory - Berkeley, CA January 2013 to June 2016 Involved in the Complete Software development life cycle to develop the application. Involved in developing a web-application that automatically fetches, aggregates, normalizes, and serializes data from American online retailers. Involved in developing web app features that generate and displays product-level price histories, attribute extraction, filtering, and data cleaning. Used regular expressions extensively for cleaning, matching and combining appliances data that came from different data sources. Improved code reuse and performance by making effective use of various design patterns and refactoring code base. Worked in debugging and troubleshooting programming related issues. Used Git and Jira for code submissions and task management. Involved in managing code versioning and reviewing with Bit Bucket. Followed test driven approach for developing the application and implemented the unit tests using Python Unit test framework. Developed MongoDB NoSQL database that stores huge water heaters test data. Wrote python module used for loading data into MongoDB database. Python Developer Independent Contractor - Berkeley, CA May 2012 to December 2012 Developed a standalone software for cross referencing sales product data (such as NPD) against government agencies data (such as FTC, CEC, CCMS and Energy Star). Wrote python modules that clean and match appliances data that came from different data sources. Developed a standalone software for using python's GUI Application wxPython. Wrote a software that to gathers different types of electric bulb retail data automatically from the website of Home Depot. wrote Python module that combines washing machine sales data that are listed twice or more in NPD sales data files. Education Bachelor's of Science in Physics / Computer Science University of Asmara - Asmara Skills Python (5 years), Django (4 years), PostgreSQL (4 years), MySQL (2 years), HTML 5 (2 years), CSS3 (2 years), Git (4 years), MongoDB (1 year)

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