

Python Developer Python Developer Python Developer - Pro-Tek Consulting San Diego, CA Work Experience Python Developer Pro-Tek Consulting - San Diego, CA July 2017 to Present Jr. Software Developer * Developed frontend and backend modules using Python on Django Web Framework. * Used the Model View controller (MVC) to build modular and maintainable applications

- * Building reusable code and libraries for future use.
- * Developed scalable applications using Django framework.
- * Build all database mapping classes using Django models with the help of ORM.
- * Wrote multi-thread scripts to obtain optimal performance.
- * Integration of user-facing elements developed by a front-end developer with server side logic.
- * Used data structures like directories, tuples, object oriented class based inheritance features.
- * Operated all the user side validation using JavaScript and AJAX.
- * Responsible for debugging and troubleshooting the web application.
- * Involved in entire lifecycle of the project including Design, Development, and Deployment, Testing and implementation and support.

Pro-Tek Consulting, Client: AgileBTS - Pasadena, California Python Developer REST FRAMEWORK June 2017 to November 2017 Jr. Software Developer Designed and implemented an application for managing customers, purchases and invoices. Extensively used python's OOPs concepts in overall design and development of the system. Also designed and implemented panel for customers with features to check, update and payment of invoice. Used Django's session handling and token authorization for authenticating customers with their login details. Created RESTful APIs using Django REST FRAMEWORK. Bind the entire application on Nginx & gunicorn server as well as build server work using Jenkins. Worked extensively on JavaScript, JQuery, HTML5, CSS3. Developed initial database tier using Django ORM. Successfully migrated Django ORM to MySQL with complete data integrity. Involved in the complete Software Development Life Cycle (SDLC). Followed AGILE development methodology. Environment: Python, Django, MySQL, Nginx, gunicorn, Linux, Javascript, JQuery, GitHub, HTML5, CSS3 Software Intern Pro-Tek Consulting - Los Angeles, CA September 2015 to October 2016 Developed an application to maintain active cloud instances mostly their provisioning and decommissioning. Involved in the complete Software development life cycle (SDLC) to develop the application. Used virtualization tool "virtual box" to create linux

RedHAT(RHEL7) & performing the development on the same work station. Used MySQL database for maintaining instance records- provisioned & decommissioned. Created Auto-logout feature using Django based session handling. Performed unit & functional testing using pytest, pytest-cov packages of python. Used Django's REST services to create APIs mostly GET, POST, PUT, DELETE. Active part in designing and creating UI of the application using Javascript, HTML, CSS and jquery. Environment: Python, Django, REST, MySQL, pytest, pytest-cov, javascript, jquery, HTML, CSS, linux RedHAT. PROJECTS Water Consumption Analysis: Worked on python project that analyses how a change in the weather affects water consumption in the state of California. Wrote customized Python Script to automate the task of web scrapping. After fetching the raw data, it was stored in NoSQL database MongoDB. Used Python libraries like NumPy & Matplotlib for computation and graphical data representation. Languages/ Platforms: Python, Numpy, Matplotlib, MongoDB Social Media App Designed an "Instagram" kind-of web application as part of academic project. Implemented complete website on Django Framework. Used MySQL database. Migrated data from Django ORM to MySQL database with complete data integrity. Languages/ Platforms: Python, Django, MySQL, Sublime Text, Bootstrap, CSS, HTML Education Bachelor in Social Science Dhaka University - Dhaka, BD July 2010 Skills DATABASE (1 year), DJANGO (1 year), JAVASCRIPT (1 year), PYTHON (1 year), jQuery (1 year) Additional Information TECHNICAL SKILLS Programming: Python, Django, C, Web Technologies: HTML5, CSS3, JavaScript, Bootstrap, JQuery, Ajax, RESTful. Operating Systems: Windows, Linux, UNIX, RedHat, CentOS Database: MySQL, PostgreSQL, Oracle, SQLite, MongoDB. Software Tools: PyCharm, Eclipse, Apache Tomcat, sublime Text, GitHub Methodologies: Agile, Waterfall

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