



Happy developers

Python Developer – Virgin America

Burlingame, CA 94010

Around 6 years of experience as a Web/Application Developer and coding with analytical programming using Python, Django. To serve the organization with the best of my technical skills and abilities by utilizing my educational and professional knowledge and competencies acquired by me in my academic career and professional experience.

CORE QUALIFICATION

- Experienced with full software development life-cycle, architecting scalable platforms, object oriented programming, database design and agile methodologies
- Built Web application using Python, Django, Flask, JavaScript, AJAX, HTML and template languages.
- Used Apache to deploy production site.
- Strong experience using Web Services and API's in python.
- Experience in using Design Patterns such as MVC and frameworks such as Django, Flask.
- Proficient in SQL databases MySQL, PostgreSQL, Oracle and MongoDB.
- Good knowledge in maintaining various version controls systems such as GIT, SVN, CVN and Source Tree.

- Experience in Application Development and Object Oriented Programming Analysis and Design (OOAD).
- Experience object oriented programming (OOP) concepts using Python, C++ and java.
- Experience in working with AWS(Amazon Web Services) cloud platform.
- Experienced in working with various Python Integrated Development Environments like IDLE, PyCharm, Atom, Eclipse, PyDev and Sublime Text.
- Experience with Requests, Numpy, Scipy, Matplotlib, and Pandas python libraries during development lifecycle.
- Experience in creating initial website prototype from Django skeleton and building out Views, Templates using CSS for whole site following Django MVC architecture.
- Deep understanding of HTTP methods, RESTful architecture.
- Familiar with UNIX / Linux internals, basic cryptography & security.
- Strongly follow PEP-8 coding standard and test a program by running it across test cases to ensure validity and effectiveness of code using PyChecker and PyLint.
- Involved in Unit testing and Integration testing of the code using PyTest.
- Displayed and proved capability to learn any new technology and work on it.
- Hands-on experience in writing and reviewing requirements, architecture documents, test plans, design and maintaining documents, quality analysis and helping with the software release process.
- Ability to successfully multi-task and prioritize work.

Willing to relocate: Anywhere

WORK EXPERIENCE

Python Developer

Virgin America – Burlingame, CA – 2016-09 – Present

Virgin America is a US based airline that is on a mission to make flying good again, with brand new planes,

attractive fares, tip – top service, and a host of fun, innovative amenities that are reinventing domestic air travel.

Description: The project was based on passenger's information management which information applied to

travel and customer satisfactions. It was acquiring, analyzing information to provide quality passengers

satisfactions. With the widespread computerization of records, company provided quality services and

responsibilities.

Responsibility:

- Designed the Web application Using Python on Django Web Framework pattern to make it extensible and flexible.

- Used the Model View controller (MVC) framework 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 like SQLAlchemy.
- Used data structures like directories, tuples, object oriented class based inheritance features for making
- Wrote and executed various MYSQL database queries from python using Python-MYSQL connector and MySQL dB package.
- Maintained and improved the security level of data.
- Responsible for security standard implementation and data protection.
- Worked with millions of database records on a daily basis, finding common errors and bad data patterns and fixing them.
- Generated various report using Python Report lab and sent to Business users to improve their decision making.
- Utilized PyUnit, the Python unit test framework for testing the functionality of the application.
- Involved in front-end designing using HTML, CSS, JavaScript, and Bootstrap.
- Operated all the user side validation using JavaScript and AJAX.
- Profiled python code for optimization and memory management.
- Implemented locking mechanisms using multithreading functionality.
- Responsible for debugging and troubleshooting the web application.
- Involved in entire lifecycle of the project

