JESSICA CLAIRE

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SUMMARY

- Around 6 years of experience in Analysis, Design, Development, Management, and Implementation of various stand-alone, client-server enterprise applications using Python, Django, Flask, Shell Script, and Postgresql.
- Strong experience in developing software in Python using following libraries and modules- , Numpy, spicy, Matplotlib, Pandas, Psycopg2 for database connectivity, and IDEs -Visual Studio, PyScripter, Spyder, PyCharm and Jupyter notebook.
- Good experience in developing web applications implementing Model Template View architecture using Django web application frameworks
- Developed business CRUD operations using RESTful services.
- Strong knowledge in object-oriented programming (OOPS) concepts.
- Wrote python scripts to parse XML and JSON data and load the data into the database.
- Experience in developing web-based applications using Python, Django, Flask, REST, JSON, CSS, HTML5, JavaScript and ORM (Object Retaltional Model).
- Good working knowledge in Unix and Linux shell environments using command-line utilities.
- Experience in version control systems like GitLab, Github, and Bit Bucket to keep the versions and configurations of the code organized
- Experience with Unit Testing/ Test Driven Development (TDD), Load Testing.
- Experience in developing applications using amazon web services like EC2, Cloud Search, Elastic Load balancer ELB, S3, Cloud Front, Route 53.
- Familiarity with CI/CD pipeline and Jenkins for automating the pipelines.
- Experienced in writing SQL Queries, Stored procedures, functions, packages, tables, views and triggers.
- Skilled in handling errors/exceptions and debugging/troubleshooting issues in large scale applications.
- Experience in Infrastructure Development and Operations involving AWS Cloud platforms.
- Excellent analytical and problem solving skills and ability to work on own besides being a valuable and contributing team player.
- Experienced in Agile Methodologies, Scrum stories, sprints, involved daily standup meetings,and pair programming to produce quality deliverables within time.
- Experience in implementing server-side technologies with REST/SOAPAPI and MVC/MVT design patterns in the Django framework.
- Experience in full software development life cycle(SDLC), architecting scalable platforms, object-oriented programming, database design, and agile methodologies.
- Good Experience in Linux Bash scripting and following PEP Guidelines in Python.
- Good analytical and problem-solving skills and ability to work on own besides being a valuable and contributing team player.
- Excellent interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and work well in a team environment

SKILLS

- JavaScript expert
- Interface design and implementation
- SQL expert
- SDLC processes
- Dashboard creation

EDUCATION AND TRAINING

SUNY Polytechnic Institute
Utica, NY • 05/2017

Master of Science: Computer And Information Sciences

GITAM Deemed To Be University
Visakhapatnam, Andhra Pradesh, India. • 05/2013

Bachelor of Science: Computer Science Engineering.

EXPERIENCE

Cognizant Technology Solutions - Python Developer
Green Bay, WI • 08/2019 - Current

- Developed business logic and templates with Python and Django to create a user-friendly website interface.
- Used Django to develop web-based application and deployed it on AWS Ec2 instance using Nginx and Gunicorn.
- Created RESTful API web services for Catalog and Pricing with Django, Postgresql.
- Worked on various IDEs (Integrated Development Environments) like Jupyter Notebook, VSCode and Spyder.
- Utilized Python libraries like Pandas, NumPy, Psycopg2, Matplotlib, and Tkinter.
- Implemented CRUD (Create Read Update Delete) operations for the applications using the MVT (Model View Template) architecture of Django framework.
- Designed, developed and Implemented code in Python to retrieve and manipulated data.
- Develop consumer-based features using Django, HTML in a Test-Driven Development (TDD) environment.
- Built database model, Views and API's using Python for interactive web based solutions.
- Used Python scripts to update the content in the database and manipulate files.
- Build SQL queries for performing various CRUD operations.

Cognizant Technology Solutions - Python Developer
Greenwood Village, CO • 07/2018 - 07/2019

- Designed the database schema for the content management system.
- Generated RESTful API using Django Frame work.
- Wrote Python scripts to parse JSON documents and load the data in database.
- Followed MVT pattern while using Django Frame Work.
- Worked on a loosely coupled environment in Django Frame Work.
- Performed troubleshooting, fixed and deployed many Python bug fixes of the main application that was a main source of data for both customers and internal customer service team.
- Managed code versioning with GitHub, Gitlab and deployment to staging and production servers.
- Good experience in writing SQL Queries and implementing stored procedures, functions, packages, tables, views, Cursors, triggers.
- Publishing data to google cloud pub and subscribing the data from google cloud pub sub.
- Worked on Different platforms like Centos, Ubuntu, RHEL.
- Used PyTest for writing test cases.

Cognizant Technology Solutions - Python Developer
Long Island City, NY • 06/2017 - 06/2018

- Developed entire backend modules using Python on Django Web Framework.
- Used the GIT version control tool to coordinate team-development.
- Involved in building database models, APIs, and Views utilizing Python, to build an interactive web-based solution.
- Involving in scrum meetings, internal sprint reviews, and sprint retrospective.
- Utilized Python-specific tools including Django, Django Rest Framework, Django ORM, Flask, SQLAlchemy, Pandas, Matplotlib and Numpy.
- Generated Python Django Forms to record data of online users.
- Wrote Python scripts to parse XML documents and load the data in the database.
- Performed testing using Django's Test Module.
- Used Python scripts to update content in the database and manipulate files.
- Improved code reuse and performance by making effective use of various design patterns.

Cognizant Technology Solutions - Python Developer
Lynchburg, VA • 07/2013 - 07/2015

- Mentored entry-level Python development personnel, providing both internal and external positions with technical guidance and education.
- Used Agile Methodology and SCRUM Process.
- Developed and designed automation framework using Python and Shell scripting.
- Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS, and JavaScript.
- Participated in the complete SDLC process.
- Developed entire backend modules using Python on Django Web Framework.
- Participated in requirement gathering and worked closely with the architect in designing and modeling.
- Worked on development of SQL and stored procedures on MYSQL.
- Developed shopping cart for Library and integrated web services to access the payment (E-commerce).
- Implemented monitoring and established best practices around using elastic search.
- Used GitLab for the version control.
- Used Python scripts to extract information from XML files.
- Provided GUI utilizing PyQt for the end user to create, modify and view reports based on client data.