**Venkata Srinivasa Rao**.**R**

**(Python Developer Full Stack)**

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*London,United Kingdom*

**Professional Summary:**

* Over 10 years of experience as a Web Application Developer and coding using Python,Django
* Extensive knowledge in Python, MYSQL and Linux.
* Hands on experience in data processing automation using Python.
* Hands on experience in SQL and PL/SQL and writing stored procedures
* Good Knowledge Objected Oriented Concepts, Data Structures and Design patterns.
* Web development using Python, Django.
* Design and development of Restful APIs.
* Building out the next-generation public-facing web site with an advanced Django-based web frameworks.
* Experience with Web Development, Web Services, Python and the Django framework.
* Experience in working on Application Servers like WebSphere, Web Logic, Tomcat, Web Servers like Apache Server and Integrated Development Environments like VS Code, PyCharm, Eclipse. Front end development experience using HTML, CSS, J Query, JSON and JavaScript.
* Hands on experience programming with PYTHON, DJANGO and AJAX technologies.
* Proficient in using Subversion (SVN), GIT for Version controlling.
* Goods hands on user authentication and authorization between multiple systems, servers, and environments. Active Participation in full development life cycle (requirements, design,architecture, development, testing).
* Experienced in developing UNIX shell scripts as well as wrapper scripts.
* Participated in all phases of the System Development Life Cycle Analysis (SDLC).
* Experienced in Agile Methodologies and SCRUM Process.
* Experience with Unit testing/ Test driven Development (TDD), Load Testing.
* Excellent debugging, problem solving, optimization and testing skills.
* Excellent analytical and problem solving skills and ability to work on own besides being a valuable and contributing team player.

**EXPERIENCE:**

**Senior Python Developer : (Project : ZAIDYN DATA HUB by ZS)** Sep 2021 - Present

***Ness Digital Engineering***

* Implementing user interfaces using HTML, CSS, and JavaScript frameworks React.js
* Creating responsive designs that work well on both desktop and mobile devices.
* Collaborating with designers to translate visual mock ups into functional user interfaces.
* Optimizing front-end performance and user experience.
* Designing and developing server-side applications using Python and relevant frameworks (e.g., Django, Flask).
* Creating RESTful APIs to facilitate communication between the front-end and back-end.
* Managing and optimizing database interactions SQL Database
* Implementing user authentication and authorization systems.
* Handling server-side logic, business logic, and data processing.
* Integrating third-party APIs and services into the application (e.g., payment gateways, social media APIs).
* Ensuring seamless communication between various components of the application stack.
* Setting up deployment pipelines using tools like Docker and Kubernetes.
* Managing server configuration and deployment using cloud platforms (e.g., AWS, Azure, )
* Monitoring application performance and troubleshooting issues in production.
* Using version control systems like Git to collaborate with team members and manage code base changes.
* Participating in code reviews and providing constructive feedback.
* Writing unit tests, integration tests, and end-to-end tests to ensure code quality and reliability.
* Performing debugging and resolving issues that arise during testing.
* Implementing security best practices to protect the application against common vulnerabilities (e.g., SQL injection, cross-site scripting).
* Keeping up to date with security updates and patches.
* Staying current with industry trends, new technologies, and best practices in full stack development

**Associate Python Developer:(Project : DBS Bank)** Sep 2019 - Aug 2021

***Teras Tech Solutions***

* Participated in the complete SDLC process and used PHP to develop website functionality.
* Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript.
* Developed entire front end and back end modules using Python on Django Web Framework.
* Designed and developed data management system using MySQL. Built application logic using Python.
* Used Django APIs for database access.
* Used Python to extract weekly hotel availability information from XML files.
* 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)
* Designed and developed a horizontally scalable APIs using Python Flask.

**Python Developer: (Project : New York Life Insurance)** Feb 2016 - Aug 2019

***Billion Info***

* Implementing user interfaces using HTML, CSS, and JavaScript.
* Creating responsive and visually appealing web pages.
* Integrating UI designs with back-end functionality.
* Building server-side logic using Python frameworks like Django or Flask.
* Developing APIs to connect the front-end and back-end.
* Handling database operations, including schema design, querying, and optimization.
* Implementing user authentication and authorization systems.
* Creating RESTful APIs to facilitate communication between front-end and back-end.
* Ensuring proper API documentation for developers and clients.
* Writing unit tests to ensure code correctness.
* Debugging and resolving issues in both front-end and back-end code.
* Deploying applications using platforms like AWS, or Azure.
* Setting up continuous integration and continuous deployment (CI/CD) pipelines.
* Monitoring application performance and addressing scalability concerns.

**Front-End Developer** Jan 2014 - Jan 2016

***Weir Minerals India***

* Assisting in the implementation of user interfaces using HTML, CSS, and JavaScript frameworks.
* Learning to create responsive designs and adapt them for different screen sizes.
* Collaborating with design and development teams to translate mock ups into code.
* Contributing to front-end performance optimization efforts.
* Assisting in the development of server-side applications using Python and relevant frameworks.
* Learning to create APIs for communication between the front-end and back-end.
* Gaining experience in database interaction and data manipulation.
* Assisting in integrating third-party APIs and services into the application.
* Learning to handle data exchange and communication between different components.
* Learning to use version control systems like Git for code collaboration.
* Participating in code reviews and absorbing feedback from senior developers.

**EDUCATION:**

**Bachelor of Science (B.S.) - Computer Engineering**

*Acharya Nagarjuna University*

**SKILLS:**

Python, Django, Flask, HTML5, CSS3, Bootstrap, JavaScript, JQuery, React.Js, SQL, RESTful APIs, API Documentation, GIT, Teamcity, Jira, Dockers, Kubernets, AWS, Azure, CI/CD, Adobe Photoshop

**HONORS & AWARDS:**

1. **The Star Employee.** 2022

(Ness Digital Engineering )

1. **Stand out Performer.** 2020

(Teras Tech Solutions)

1. **The Employee of the Month.** 2015

(Weir Minerals India)