Sanjana Veesam Software Engineer

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PROFESSIONAL SUMMARY

Python Developer with a 4 years of experience in designing and developing complex web applications and software solutions. Proficient in utilizing a wide range of technologies including Angular.JS, React.JS, Bootstrap.js, Node.js, Backbone.js, HTML5, CSS, JavaScript, Django, Flask, and AWS. Adept at creating UML diagrams, automating deployment processes, and building reusable components for scalable web applications. Demonstrates a robust understanding of RESTful services, data processing, and data visualization, along with extensive experience in Agile development environments.

PROFESSIONAL EXPERIENCE

Employer : DigiTech Labs, Client : Johnson & Johnson,
Software Engineer
05/2023 – present | Jersey City

- Designed and implemented a comprehensive solution to find nearby doctors using Python and SQL.
- Integrated additional filters such as accepted insurance types, specialties, and patient ratings.
- Leveraged geospatial data and algorithms to enhance the accuracy and relevance of search results.
- Utilized AWS Lambda for efficient, serverless backend processing and AWS RDS for secure, scalable database management.
- Architected and developed the rewards feature using Python, facilitating user engagement and retention.
- Designed database schema in SQL to store and manage user rewards, transactions, and activity logs.
- Created RESTful APIs with Flask/Django to enable seamless interaction between the frontend and backend services.
- Employed AWS S3 for secure and scalable storage of user-related data and AWS CloudWatch for monitoring and logging.
- Implemented unit and integration tests to maintain code quality and reliability.
- Deployed and maintained services on AWS, ensuring high availability and performance.
- Optimized SQL queries for improved performance and reduced latency in data retrieval.
- Automated data backup and recovery processes using AWS tools and services.
- Implemented authentication and authorization mechanisms using AWS IAM to secure access to resources.
- Ensured compliance with healthcare data regulations (e.g., HIPAA) in all development and deployment activities

Lasai Technologies, *Software Development Engineer*
01/2020 – 07/2021 | Hyderabad

- Created Python and Bash tools to increase efficiency of application system and operations, data conversion scripts, AMQP/RabbitMQ, REST, JSON, and CRUD scripts for API Integration,
- Implemented the MVC Architectural Pattern using Struts Framework including JSP , Servlets and Action classes
- Engineered Python based API (RESTful Web Service) to track the events and perform analysis using Django.
- Worked with JMS (java messaging service) for asynchronous communication
- Created a Python/Django based web application using Python scripting for data processing, MySQL for the database, and HTML/CSS/jQuery and High Charts for data visualization of the served pages
- Built client pages using HTML, JSP , XML to interact with users, and the business logic is implemented using Servlets and Java Beans.
- Used Pandas API to put the data as time series and tabular format for east timestamp data manipulation and retrieval
- Designed and managed API system deployment using fast http server and Amazon AWS architecture.

Amazon, *Data Analyst*
07/2019 – 12/2019 | Hyderabad, India

- Responsible for creating critical compliance test analysis documents and Business Requirement Documents (BRD).
- Involved in Normalization and De-Normalization of existing tables for faster query retrieval.
- Implemented advanced SQL queries using DML and DDL statements to extract large quantities of data from multiple data points on MS SQL and Teradata SQL Assistant.
- Working on live site issues to fix slow running stored procedures, triggers etc. and provide Root cause analysis.
- Developed data visualizations and dashboards using Power BI and Tableau
- Worked on technical solutions to address specific business needs, leveraging SQL, Python, and data visualization tools like Power BI and Tableau to enhance data-driven processes.

SKILLS

Web Development — React.js, Redux, Nextjs, Angular, Bootstrap, Material UI, Svelte, Sapper, Express, NodeJs, Deno, Hapi

Programming languages — Primary: Python, R • Secondary: Java, Scala • Scripting: Bash/Shell Scripting | **Database** — DynamoDB, HBase, MongoDB, MYSQL, Oracle, PostgreSQL | **CI/CD tools** — Git, Jenkins, Azure Devops, AWS CodePipeline, Jira

IDEs worked on: — Notepad++, Visual Studio, Atom, VS Code | **Cloud** — AWS

EDUCATION

Masters of Science in Data Science,   08/2021 – 02/2023
State University of New York, University at Buffalo
Completed Courses: Data Mining using R, Numerical Mathematics for Data Science using Matlab, Introduction to Probability Theory For Data Science, Introduction to Data Driven Analysis and Programming for Data Scientists

Bachelors of Technology in Computer Science,   07/2015 – 05/2019
Jawaharlal Nehru Technological University - Hyderabad
Completed Courses: DBMS, Data Structures, C, Java, Python, Web Development using HTML, CSS, and JavaScript, Data Analysis, and Algorithms, Cloud Computing.