SAI POOJITHA

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Professional Summary:

- Around 4+ years of experience as a **Full Stack Developer**, a proficient coder in multiple languages and environments including **Python, Java, HTML**, **C**, **C++**, and **SQL**.
- Proficient in **Python** programming language and its frameworks (**Django, Flask**), **Java** and its frameworks (**Spring**)
- Strong experience in front-end technologies: HTML, CSS, JavaScript, PHP, JSON, XML, and modern JavaScript frameworks (**React, Vue.js**)
- Built **AJAX** pages **using PHP** to create various asynchronous web applications and assigned the responsibilities of troubleshooting problems with **PHP** and other web technologies
- Experience in Python Development and Scientific Programming, and using **NumPy** and **Pandas** in Python for Data Manipulation.
- Experience in using Scikit-Learn and Stats models in **Python** for **Machine Learning** and **Data Mining** and use of **NLTK, OpenNLP** & **StanfordNLP** for Natural Language Processing and sentiment analysis.
- Familiarity with using NOSQL libraries like **MongoDB**, Cassandra, and **Reddis** and relational databases like **PostgreSQL**, and **MYSQL** databases and **ORM** frameworks (SQLAlchemy)
- Experience implementing **API endpoints** using technologies such as Node.js, Python (Django or Flask), Ruby on Rails, or ASP.NET, ensuring seamless data exchange between client applications and the server.
- Experienced in version control systems using **CVS**, **SVN** and **Git/Github**, and issue-tracking tools like **Jira**.
- Experienced in writing **SQL Queries**, Stored procedures, functions, packages, tables, views, and **triggers**.
- Experience with cloud platforms such as **AWS, Azure, and Google Cloud**
- Good Knowledge of **Amazon AWS concepts** like **S3**, **Cloudwatch, and EC2 web services** which provide fast and efficient processing of **Big Data**.
- Automated most of the tasks using Python scripting, **RaspberryPI** and **Raspbian** OS, and Unix/Linux shell Scripting
- Involved in DevOps team to automate, build and release **CI/CD** process on a hybrid IT environment utilizing **Gitlab, and Jenkins**.
- Experience with **Unit Testing / Test Driven Development** (TDD), **Load Testing**, and **Integration Testing**.
- Solid understanding of software development principles, **design patterns**
- Strong understanding of **HTTP** methods (GET, POST, PUT, DELETE) and status codes to ensure proper API behavior.

Skills:

Programming Languages: Python, Java, C#, C++.

Web Technologies: HTML5, CSS, JavaScript, REST, ReactJS, PHP

Frameworks: Django, Flask, Bootstrap, AngularJS

IDEs worked on: Visual Studio, Notepad++, Eclipse, Jupyter Notebook, Pycharm

Libraries: JQuery, Numpy, Scipy, Matplotlib, Scikit-learn, SOAP, Pandas, OAuth

Cloud and Container Technologies: AWS (Amazon Web Services), Azure, Docker, Kubernetes, Jenkins

Databases: MySQL, Oracle, No SQL (MongoDB)

Operating Systems: Windows, Linux, Mac

Work history:

Vanguard, Charlotte, NC   **Sep 2022 – May 2023**

Full stack developer

Responsibilities:

- Used **HTML, CSS, JavaScript, JQuery,** and **Angular Js** to implement user interface standards and guidelines during the creation and upkeep of the website.
- Worked with a variety of protocols, including Web (**HTTP/HTML**) and Web Services (REST, SOAP, and JSON).
- Developed and maintained web applications using **ASP.NET** MVC, leveraging the Model-View-Controller architectural pattern for separation of concerns and scalability.
- Integrated **RESTful APIs** and asynchronous data handling using Observables in Angular, ensuring real-time data updates and optimized performance.
- Hands-on expertise in building sophisticated scripts in languages like Python, **PowerShell**, and **Bash** for process automation.

- **SQL** database structure was designed and developed utilizing the agile approach and the **Django** Framework.
- Used the Python libraries mat **PlotLib, numPY, Report Lab**, Json-Logic, **and Beautiful Soup.**
- used the **MEAN** stack, the **REST** design pattern, the **MVC** framework, and the AngularJS-based single-page applications framework.
- In order to automate the installation of Auto scaling, **EC2, VPC**, and other services, **Python** scripts using Cloud Formation templates have been created.

Environment: Python, React, Django, Angular10, 11, Oracle SQL, AWS, AJAX, SOAP, REST, JQuery, JSON, JavaScript, Bootstrap, PyCharm, Postman, Jenkins.

Tata Consultancy Services, India   **June 2020 – Dec 2021**
Software Engineer
Responsibilities:

- Involved in analysis, design, and development of **front end/UI using HTML, DHTML, Angular10, JavaScript, JQuery, React, Bootstrap, and AJAX**
- Created a front-end application utilizing **React, Webpack, Redux, and ES6/7**, with **PostgreSQL** as the database, using Python and **Django** as the backend programming languages.
- Increased website functionality using Python's **Flask** framework to manage the logic of the web application.
- Involved in the implementation of the **Continuous Integration** (CI) and **Continuous Delivery** (CD) processes utilizing **Jenkins** and Shell scripts.
- Implemented reactive forms and form validation in **Angular 11**, ensuring data accuracy and providing a smooth user experience.
- Gained exposure to **GraphQL** and implemented GraphQL APIs for more flexible and efficient data retrieval.
- Designed and developed RESTful APIs using **ASP.NET** Web API, enabling seamless integration with client-side applications and third-party services.
- Used the **Pandas** API to convert the data into time series and tabular format for local timestamp data manipulation and retrieval, and then stored it in **MongoDB**.
- Added support for **Amazon AWSS3 and RDS to host static/media files** and the database into Amazon Cloud.
- Implemented security best practices, such as encryption at rest and in transit, using AWS Key Management Service (**KMS**) and AWS Certificate Manager (**ACM**).
- Implemented continuous integration and continuous deployment (**CI/CD**) pipelines using AWS CodePipeline and AWS **CodeDeploy**, streamlining the development and deployment process.
- Designed and implemented serverless architectures using **AWS Lambda**, AWS API Gateway, and AWS **DynamoDB**, resulting in highly scalable and cost-efficient backend systems.
- Implemented data storage solutions using **AWS S3** (Simple Storage Service), enabling efficient and scalable storage of unstructured data.
- Made **Docker** container images by labeling and pushing the images, and used Docker **containerization** to operate on the infrastructure.
- Managed code versioning with **GitHub, Bit Bucket**, and deployment to staging and production servers.

Environment: Python 2.7, Django, Rest, Flask, AngularJS, Javascript Validation, Jenkins, Dockers, Container, GitHub, Ansible, RaspberryPI, HTML5/CSS, Amazon Web Service (AWS), S3, EC2, EBS, MySQL, JavaScript, Pycharm, Linux, Shell Scripting, JIRA.

Codinza, India   **June 2019 - May 2020**
Full Stack Developer

- Worked with front-end technologies such as HTML, CSS, JavaScript, and frameworks like React, Angular, or Vue.js.
- Leveraged back-end technologies like Node.js, Django, Ruby on Rails, or ASP.NET to build robust server-side applications.
- Developed projects using **Django**, SQL, Angular8,9, JavaScript, HTML5, CSS3, PHP and Bootstrap.
- Integrated the **OAuth, JWT** Authentication framework for authentication using third-party services
- Built **Cassandra** queries for performing various **CRUD** operations like create, update, read, and delete, also used **Bootstrap** as a mechanism to manage and organize the **HTML** page layout.
- Used Pandas library for statistics Analysis and **NumPy** for Numerical analysis of Insurance premiums and Managed large datasets using Panda data frames and MySQL.
- Used **PHP** MyAdmin to handle the administration of **MYSQL** over the World Wide Web
- Created methods (get, post, put, delete) to make requests to the API server and tested **Restful API** using **Postman**.
- File handling for the client data in files like .txt and .xlxs file for data retrieval and storing purpose. Graphical data representation using Python modules like Numpy, SciPy, Pandas and installed using pip command toolkit.

Codinza, India   **Dec 2018– May 2019**

UI DEVELOPER INTERN
- Developed and implemented responsive and visually appealing user interfaces for web applications using **HTML5, CSS3, and JavaScript, React**.
- Integrated the **OAuth** Authentication framework for authentication using third-party services.
- Implemented Single Page Applications (SPAs) using front-end frameworks like **React, Angular, or Vue.js**, enhancing user engagement and reducing page reloads.
- Utilized front-end frameworks such as **Bootstrap**, Foundation, or Material UI to accelerate development and ensure cross-browser compatibility.
- Worked on **MERN** stack (MongoDB, Express, React, and NodeJS) for a social media application
- Translated design **wireframes** and mockups into interactive web pages, maintaining a strong focus on **user experience** (UX) and usability.
- Collaborated closely with UX designers and back-end developers to ensure seamless integration of user interface components and functionality.

Education:

Masters in Information Technology   **Jan 2022 - May 2023**
The University of North Carolina at Charlotte, GPA- 3.7/4
Bachelors in Computer Science and Engineering   **June 2015- June 2019**
SVEW, India, CGPA- 3.8/4