Joshila Gubbala

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PROFESSIONAL SUMMARY

- Over 3 years of experience in Web Development, Designing User Interface Applications, Testing and documentation of professional web-based applications using Java, Python J2EE technologies, JavaScript, NodeJS, Angular, ReactJS.
- Proficient in MERN and MEAN stack technologies, utilizing MongoDB for flexible data storage, Express.js for building scalable web applications, NodeJS for efficient server-side development, ReactJS for dynamic and responsive user interfaces, and I also utilized Angular for building robust front-end applications.
- Expertise in programming with Spring Framework, Spring MVC, AOP, and Used Spring Core annotations for Spring Dependency Injection, Spring MVC for Rest API's and Spring Boot for microservices.
- Developed Microservices utilizing Spring Cloud and Netflix OSS, to achieve loosely coupled systems.
- Expertise in developing web pages using HTML, CSS, MVC, JavaScript, AJAX, JSON, XML.
- With hands on work experience in various Operating systems such as Linux, OS, MAC, and Windows.
- Proficient in both NOSQL databases like MongoDB and RDBMS concepts, with practical experience in MySQL, SQL, Oracle, and DB2.
- Managed and optimized AWS resources, ensuring high availability and performance of applications.
- Executed data storage and retrieval strategies using AWS DynamoDB, S3, EMR, RDS, Redshift, ECS ensuring efficient and scalable data management.
- Experienced in working with applications deployed to AWS cloud and hands-on experience using AWS management console and SDK to interact with AWS services.
- Complete understanding of the DevOps process with continuous integration using Jenkins, JIRA, GIT, Terraform
- Proficient in Git for version control, with a strong emphasis on creating, reviewing, and managing pull requests to ensure collaborative and efficient development.
- Orchestrated end-to-end data pipelines using Docker containers and Kubernetes for scalable and containerized deployment.
- Skilled in setting up and handling Apache Kafka clusters, optimizing performance, and ensuring high availability and fault tolerance.
- Outstanding communication proficiency, strong interpersonal skills, dedicated work ethic, and a highly collaborative team player capable of effective communication across all organizational levels.

TECHNICAL SKILLS

- **Languages:** Python, C++, C, Java, ReactJS, JavaScript, SQL, MS SQL, MySQL, Oracle
- **Client-Side Technology:** HTML5, CSS, SaaS, RxJS, Angular, Bootstrap
- **Operating Systems:** Windows, LINUX, Microsoft Office Suite (Word, PowerPoint)
- **Cloud, CI/CD Technologies:** Kubernetes, AWS, GCP, Microsoft 365, Azure, Docker, Terraform
- **Version Control:** Git, GitHub, Bitbucket,
- **Testing Tools:** JUnit, JMeter
- **Development Tools:** Microsoft Excel, Visual Studio, Microsoft Visio, Tableau, Power BI, Google Analytics
- **IDE Tools:** Jira, Visual Studio Code, Atom, Jupyter, Grafana, Eclipse, IntelliJ, Bootstrap, PyCharm,

PROFESSIONAL EXPERIENCE

Software Developer | Wynbit Inc. | Ashburn, VA   **September 2023 - Present**

- Utilized Core Java frameworks, such as Multithreading, Exceptions, and Collections to develop the application.
- Involved in all the stages of Software Development Life Cycle like Application Design, Development, Debugging and Testing all applications.
- Contributed to the development of presentation layers and GUI frameworks using Angular and HTML.
- Developed applications using Model-View-Controller architecture using Spring MVC.
- Created POJO's and DAO's for the database entities using Spring JDBC annotation mappings
- Developed microservices architecture using Spring Boot and Spring Cloud, facilitating modularity and scalability.
- Extensively worked with AWS services, including EMR, S3, EC2 for cloud-based data management and computation
- Utilized terraform to manage everything smoothly on Amazon Web Services (AWS).
- Turned complex SQL queries to improve performance and CPU cycles and thus reducing the cost involved by $45,000 per year, as part of IT Transformation project.
- Extensively used GIT for version controlling and regularly pushed the code to GitHub.
- Configured and maintained maven for build automation and dependency management in the projects.
- Used JIRA to keep track of outstanding bugs to reduce downtime, increase productivity, and improve communication.
- Implemented Swagger for microservices, enhancing Rest API documentation for clarity and accessibility.

Technical Student Assistant | Western Illinois University | Macomb, IL   **January 2022 - May 2023**
- Worked on root causes of cloud services and assisted in cost-efficient cloud solutions.
- Designed AWS infrastructure for 4 regions by coordinating with cross-functional teams to maximize performance.
- Load the data files from Amazon S3 to Redshift.
- Conducted workload assessments and proposed new operational processes that led to a 40% increase in productivity.
- Troubleshooting workflows in AWS internal knowledge databases and providing onboarding assistance and training to new joiners.

Software Developer | Indent | Hyderabad, IND   **July 2019 - August 2021**
- Designed and implemented Single Page Applications (SPAs) using ReactJS with Python backend services to establish efficient communication channels between the frontend and server-side, ensuring real-time data updates and enhancing overall user interaction.
- Developed microservices architecture using Flask, leveraging Python's versatility to create modular and scalable components.
- Designed and implemented RESTful APIs using Flask, to enable seamless communication between different modules of the application.
- Conducted database development using SQL Server, MySQL, and SQLite with Python's SQL Alchemy, ensuring efficient data storage and retrieval in alignment with application requirements.
- Managed a website connecting dentists for patient cases, integrating AWS and social media platforms using Python-based tools and libraries.
- Employed CI/CD pipelines for continuous code deployment, utilizing Python scripting for automation, and maintained two block storage instances for case details contributing to containerization efforts.
- Worked in an Agile development environment using python, participating in daily stand-ups and sprint planning meetings, fostering collaborative and iterative development processes.

PROJECTS

➢ **Smart Notes Application - React, NodeJS, Express, MongoDB, HTML, CSS   May 2023**
- Custom React components and stand-alone classes were developed, providing a modular and extensible structure that allows easy integration of new components in the future.
- React Color Picker was implemented to allow users to assign colors to their notes, enabling visual prioritization.
- Implemented React-Router for navigation. The Users can Create Notes, Mark the notes complete, Archive the Notes, Update and Delete the Notes using this application.

➢ **Distributed Cloud Computing - Kubernetes, Terraform, Docker, Jenkins, Ansible, Spring Boot   May 2020**
- Developed microservices in Spring Boot and Kafka to monitor weather conditions and enable users to set up weather alerts.
- Automated build processes with Jenkins pipelines and containerized services using Docker, including integration with jQuery for enhanced client-side scripting capabilities, while also maintaining a private image repository.
- Configured a high-availability Kubernetes (K8S) cluster on AWS using Ansible playbooks, successfully deploying the application.

EDUCATION

➢ **Western Illinois University**   **Macomb, IL**
Master of Science in Computer Science   **January 2022 - July 2023**
    Related Courses: Computer Architecture ・ Compute Networks ・ Artificial Intelligence ・ Operating Systems ・ Database Management System ・ Natural Language Processing ・ Computer Graphics

➢ **St. Martin's Engineering College**   **Hyderabad, IND**
Bachelor of Technology in Computer Science Engineering   **August 2016 - May 2020**

CERTIFICATIONS

➢ AWS Certified Solutions Architect - Associate
➢ Walmart Advanced Software Engineering virtual experience program on Forage
➢ J.P. Morgan Software Engineering virtual experience program on Forage
➢ TCS Data Visualization using Tableau virtual experience program on Forage
➢ SQL and Relational Databases 101 by IBM (DB0101EN Certificate)
➢ Python 101 for Data Science by IBM (PY0101EN Certificate)