VENKAT SANDEEP BYSANI

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Working Experience

EZ4 Technologies LLC   **May 2023 – Present**
Software Engineer   *Mckinney, Texas*

- Developing and maintaining robust and scalable backend systems using Python, with a focus on Django, to contribute to the enhancement of core functionality. Leveraging Django's powerful features and ORM capabilities to streamline database interactions and accelerate development while ensuring high performance and reliability.
- Building dynamic and responsive user interfaces with React, utilizing its component-based architecture and state management to deliver seamless and engaging front-end experiences.
- Collaborating with cross-functional teams to design and implement RESTful APIs, ensuring efficient communication between front-end and back-end. Conduct thorough testing, including unit, integration, and user acceptance testing, to ensure the reliability and performance of applications
- Contributing to the design and development of real-time data processing modules, enhancing system responsiveness.
- Migrate existing applications into the Docker environment using docker images and container configurations.
- Utilizing cloud technologies like AWS to deploy and manage applications, thereby enhancing both performance and scalability. Implement CI/CD practices, ensuring seamless integration and deployment of code changes using git.
- Utilizing Terraform, I streamlined and automated deployment processes, resulting in significantly reduced deployment times.Proficient in TCP/IP protocols and networking concepts

Ceva Software   **Jun 2018 – Dec 2021**
Software Engineer   *Andhra Pradesh, India*

- Used Bootstrap library to quickly build project UI's and used Angular 8 framework to associate HTML elements to models and developed test cases for Angular using karma and Grunt.
- Used HTML5 and CSS3 to develop a dashboard and visualize the data from Database, to monitor the flow of data.
- Developed powerful Single Page Application and dynamic responsive Web Application with Angular 8.
- Improved the UI using Angular 8, Angular Material, Bootstrap, and Priming.
- Implemented various features of Spring framework such as Dependency Injection (DI), IOC, Security, AOP, and integration with Hibernate used Spring Core Annotations, Spring Dependency Injection (DI) and Spring MVC for REST APIs and Spring Boot for Microservices.
- Implemented Java EE components using Spring MVC, Spring IOC, Spring Transactions
- Managed servers on the Amazon Web Services (AWS) platform instances, High-End production /Non-production servers, and virtual machines (CI servers) using shell scripting and ansible configuration management.
- Demonstrated real-time troubleshooting skills by quickly resolving a critical application outage during peak traffic, minimizing customer impact. Worked in Agile and Scrum environments, ensuring efficient collaboration and timely delivery of high-quality software solutions.
- Migrate existing applications into the Docker environment using docker images and container configurations.
- Experienced in Power shell scripting, Deploying, writing Linux/Unix commands configuration management to deploy.
- Migrated daily manual builds to automated deployments in all non-prod environments using run-deck and scripted a deployment playbook to deploy run-deck using Ansible
- **Project**: **Enhanced User Dashboard**: Designed and developed a dynamic user dashboard to provide real-time insights.Collaborated with front-end and back-end teams to integrate the new feature seamlessly.Troubleshooted issues during integration, identifying and resolving compatibility issues for a smooth deployment.Integrated tests, including unit and integration tests, to ensure the reliability and performance of applications using docker workflow.Proficient in SQL for database management and data analysis. Used Splunk for log analysis and monitoring, ensuring the system's security and performance.

Technical Skills

Languages: Python, Java, C, HTML, CSS, PHP, Ruby, JavaScript, SQL, C++
Developer Tools: VS Code, Eclipse, AWS
Technologies/Frameworks: Linux, Jenkins, Django, Docker,spring-boot, Angular, GitHub, Ansible, React, Visual Studio, CI/CD, Jupiter Notebook,

Education

Sacred Heart University   **Jan. 2022 – Mar 2023**
Master of Computer Science GPA 3.45/4   *Fairfield, Connecticut, USA*

Bharath University   **Aug. 2014 – May 2018**
Bachelor's of Computer Science GPA:7.5/10   *Chennai, India*