Venkata Sai Kiran Kureti

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PROFESSIONAL SUMMARY

Accomplished Software Engineer with over 4+ years of experience in development, deployment, automation and optimizing business solutions using Java, Spring, Spring Boot and ReactJS. Proven expertise in handling MVC architecture, cloud services and building CI/CD pipelines. Strong academic background with a Master's degree in Computer Science, recognized for innovative contributions. Open to relocation.

TECHNICAL SKILLS

Java • Python • C/C++ • JavaScript • SQL • J2EE • Spring • Hibernate • Servlets • Gradle • Django • NodeJS • Express JS • HTML • XML • CSS • jQuery • AJAX • SASS • JSON • NPM • TypeScript • ReactJS • Redux • Git • SVN • JIRA • Power BI • JUnit • Selenium • Postman • API design • MySQL • PostgreSQL MongoDB • Cosmos DB • DynamoDB • Cassandra • Data Caching • Azure Data Factory • Amazon EBS • AWS • Agile/ Scrum • Data Structures • Algorithms Design • Design Patterns • MVC • SDLC • Unit Testing • Integration Testing • DevOps • Linux • AI/ML

CERTIFICATIONS

- Microsoft Certified: Azure Developer Associate AZ-204 (https://learn.microsoft.com/en-us/users/kirankureti-8148)

WORK EXPERIENCE

Software Engineer, SOL IT Systems LLC – Irving, Texas *August 2023 – May 2024*

- Designed and developed a full stack scalable e-commerce platform using **J2EE, ReactJS** and **Spring**, which handled 10,000 transactions daily, ensuring data consistency and resulting in a 30% increase in user engagement and a 20% boost in sales conversions
- Pioneered enhancements for database interactions utilizing effective indexing and performance tuning including order processing, inventory management, and customer account handling using **RESTful APIs** in PostgreSQL
- Led the transition to a micro-services architecture, utilizing Docker and Kubernetes for containerization and orchestration, which improved deployment flexibility and scalability
- Implemented **authentication and authorization using OAuth and JWT** to secure API endpoints making **secure payment gateways**
- Collaborated with a cross-functional team to design and deploy a CI/CD pipeline with Jenkins, enhancing deployment frequency by 50% and reducing rollback incidents by 25% and guided junior developers with potential feature fixes and user stories
- Created algorithms for dynamic pricing, increasing revenue by 10% through real-time data processing and integrated Kafka for asynchronous messaging, ensuring data consistency and improving system resilience
- Employed **JUnit's debugging features** (breakpoints) to analyze failing unit tests, pinpoint root causes, and resolved software bugs
- Engaged in pair programming sessions to develop and troubleshoot features, ensuring high-quality code in a Agile(Scrum) methodology
- Supervised critical design decisions and guided the team to achieve key results, enhancing the overall quality

IT Application Engineer, Texas Tech University – Lubbock, Texas *February 2022 – May 2023*

- Engineered a scalable survey management system using Java/J2EE, enhancing user experience by integrating REST APIs and JSON for seamless data exchange facilitating enhanced application using MVC and Singleton, resulting in improved code modularity
- Implemented APIs to enable seamless integration with third-party applications, facilitating smooth data exchange and interoperability
- Oversaw system architecture and design decisions, ensuring the system's scalability, which led to a 30% improvement in system uptime
- Identified and resolved potential system failures through testing and engineering principles, enhancing overall system reliability by 25%
- Utilized event-driven architecture to handle real-time survey responses and data processing, improving system responsiveness by 35%
- Improved Monitoring and observability systems, increasing operational efficiency by 35% and reducing error rates by 20%
- Enhanced system performance by implementing SQL database caching strategies, reducing execution times for retrieving survey history
- Automated deployment of Azure VMs using UNIX shell scripts, increasing computing efficiency, and configured network security groups to control traffic

Software Engineer, KIMFABS – Visakhapatnam, India *June 2019 – July 2021*

- Engineered and Automated a comprehensive supply chain inventory tracking and management using Java, Spring, and Spring Boot, streamlining logistics operations and reducing costs by 35%
- Ensured data consistency and availability in the identity system, reducing data-related issues by 30% and optimized RabbitMQ for asynchronous communication, improving system reliability and reducing data processing time
- Developed RESTful APIs (up-downstream) to integrate with third-party logistics providers, enhancing tracking and inventory management
- Analyzed and optimized system performance, achieving a 20% reduction in system response times and a efficient logistics process
- Built intuitive and user-friendly interfaces using ReactJS and Node JS, implementing the Model-View-Controller (MVC) architecture for efficient code organization and maintenance
- Leveraged Elastic search for advanced search functionalities, improving data retrieval speeds and enhancing user experience

PROJECTS

Master's Project (Vulnerability Assessment System) under **Dr. Akbar Namin,** Texas Tech University, (github.com/VSaiKiran93/HackersToolkit**)**

- Devised a research based open-source full-stack web app for threat intelligence, vulnerability assessment and network scanning using Python and Django for backend development, integrated with OpenVAS and Nmap for security assessments

EDUCATION

Master's degree, Computer Science – Texas Tech University *August 2021 – May 2023*

Bachelor's degree, Electronics – Gandhi Institute of Technology and Management (GITAM) *August 2017 – June 2021*