SRINIVASA VAMSI BHARGAV VEMURI

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Education

Arizona State University   **Aug 2022 - May 2024**
Master of Science in Computer Science, CGPA - 4/4   *Arizona, USA*
Course Work: Foundations of Algorithms, Data Structures, Data Processing at Scale, Data visualization.

B V Raju Institute of Technology   **Aug 2016 - May 2020**
Bachelor of Technology in Electrical and Electronics Engineering, CGPA - 8.91/10   *Telangana, India*

Technical Skills

Languages: Java, Python, C#, JavaScript, C, MATLAB, HTML/CSS, PL/SQL, Ruby, Golang, GraphQL, C++
Tools & Technologies: Kafka, Git, React.js, Angular, Docker, Azure, REST API, Kubernetes, Postman
Databases & Cloud Services: Google Cloud Platform(GCP), EC2, SQS, PostgreSQL, MySQL, Terraflow, NoSQL
Frameworks & Libraries: Spring, Spring boot, Django, Flask, Pytorch, Express.js, Kanban, Selenium, Jira
Softskills: Problem Solving, Agile development, Cross-functional, Communication Skills, Lean Six Sigma Green Belt

Experience

Arizona State University   **Aug 2023 - May 2024**
Software Developer | Tech Stack : React Native, RabbitMQ, Python, NodeJS, DynamoDB   *Arizona, USA*
- Championed the utilization of Web Applications for Employee Experience and View-As features within the ASU mobile application, employing a spectrum of web technologies including ReactJS emphasizing web development principles.
- Developed the reliability and quality of 3 applications by providing crucial CI/CD support using Django, and ReactJS frameworks, ensuring efficient deployment processes, highlighting the use of test-driven development practices.
- Implemented a groundbreaking playground feature for an Enterprise chatbot application, resulting in a 28% reduction in developer-stakeholder interactions, leveraging AWS Lambda, API Gateway services, Django REST framework, and ReactJS frontend, focusing on enhancing user experience through web development strategies.

Elevance Health   **Jun 2023 - Aug 2023**
Full Stack Developer Intern | Tech Stack : Angular,Java, MongoDB, SpringBoot, TypeScript   *Virginia, USA*
- Spearheaded the development of a high-performance API, handling 1 million requests per day with 34.9% uptime during peak traffic, leveraging auto-scaling, load balancing, and backend Java technologies such as Spring Boot and Hibernate, alongside Angular frontend framework for seamless integration, emphasizing test-driven development practices.
- Engineered a data flow architecture, enhancing ADT event processing efficiency by 12% using microservices, implementing Kafka for streaming data pipelines, highlighting proficiency in data management and architecture.
- Optimized MongoDB connections, reducing database errors by 14% and improving system response time by 8 milliseconds, integrating Angular and HttpClient, Kafka messaging, and backend Java components with JPA, JVM and JDBC for enhanced performance, showcasing expertise in database management and backend development.
- Orchestrated CI/CD implementation with Jenkins, showcasing agile methodologies, and continuous improvement, integrating Angular and Java components with Maven build tools, emphasizing DevOps and continuous integration.

Capgemini   **Jan 2020 - Jul 2022**
Full Stack Developer | Tech Stack : Spring, Oracle, Express, VueJS, JavaScript   *Telangana, India*
- Pioneered a prototype for a flight management system utilizing Spring MVC, implementing test-driven development practices, seamlessly handling 500 concurrent requests, and integrating JavaScript for dynamic user interactions, emphasizing software development life cycle and programming and web services.
- Engineered a robust Java and Spring-based backend infrastructure for Azqore's global digital banking solutions using SDLC, emphasizing product management to meet customer needs, serving 50k customers, and utilizing AWS services for a SaaS delivery model while enhancing data security with AES and RSA encryption algorithms.
- Automated data type extraction for mapping Cobol objects to Java POJOs in a migration project, with a focus on understanding customer needs highlighting proficiency in process development and automation.

Recent Projects

E-Commerce Platform | *React, MongoDB, Java, Node.js, SOAP*   **Aug 2023 - Jan 2024**
- Built an e-commerce website using React for front-end with a focus on UI and UX, and Express for backend with MongoDB. Incorporated essential functionalities such as a shopping cart, seamless integration with PayPal payment gateways, and user authentication through web tokens tailored for both admin and regular users.

Smart Customer Support Chatbot | *AWS, TensorFlow, Python, Flask*   **Dec 2022 - May 2023**
- Developed a smart customer support chatbot leveraging AWS for cloud infrastructure, TensorFlow for machine learning model training, Python for backend scripting, Flask for RESTful API implementation, and Elasticsearch for data indexing. Integrated natural language processing algorithms to analyze customer queries, improving response accuracy by 20%, and employed AWS Lambda functions for serverless architecture, utilizing AWS S3 for data storage and retrieval.