

VAMSHI KRISHNA CHITTALOORI

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SUMMARY

Software Engineer with a master's degree in Information Technology and 3+ years of experience in web applications, API integrations, and Systems Design. Proven track record of optimizing performance, leading teams, and delivering scalable software solutions. Specialized in React, Angular, Java, and Message Queues to leverage distributed systems.

EDUCATION

Master of Science in Information Technology, Security	05/2024
Arizona State University, Arizona, United States	4.0 GPA
<i>Relevant coursework: Advanced Information Security, Advanced DBMS, AI in CyberSec, Security Analysis, Systems Design, Cloud Arch.</i>	
Bachelor of Technology in Computer Science and Engineering	09/2020
Jawaharlal Nehru Technological University, Hyderabad, India	3.8 GPA
<i>Relevant coursework: Automata Theory, Algorithms Design, Web Technologies, Compiler Design, Operating Systems, Computer Forensics</i>	

TECHNICAL SKILLS

Programming Languages: C, Java, Python, PHP, C++, SQL, Bash, TypeScript, JavaScript, HTML, CSS
Frameworks and Libraries : Node.js, Angular, React, Spring Boot, Hibernate, OAuth, JWT, REST, GraphQL, Django, Selenium
Tools and Platforms: Kubernetes, Docker, GIT, Postman, QT, AWS (EC2, VPC, S3, Route 53), Apache Kafka, Redis, Jenkins
Databases: MySQL, PostgreSQL, MongoDB, AWS (RDS, Aurora, DynamoDB)

PROFESSIONAL EXPERIENCE

Wipro: Software Engineer	03/2021 - 08/2022
<ul style="list-style-type: none">Developed React components and enhanced UI, optimizing performance with lazy loading principles and achieved a 30% increase in responsiveness and a 25% reduction in page load times.Successfully transitioned the front-end architecture from Angular to React within a 2-month time frame, aligning with the evolving needs of the client and ensuring a seamless migration process with 80% code delivery for initial deployment.Collaborated with Java Spring Boot backend team to optimize REST APIs, ensuring efficient data transmission using Hibernate, Kafka, Redis and AWS. Led a team of 10 engineers, ensuring timely delivery and seamless integration with organizational services.Implemented Jest, Enzyme automated tests, and Jenkins integrations covering critical components and functionalities, accomplishing a 40% decrease in post-deployment defects through test-driven development (TDD) practices.	
People Tech Group: Software Engineer	02/2019 - 02/2021
<ul style="list-style-type: none">Engineered a Windows application using QT and C++, resulting in a 20% reduction in data transmission latency, thereby enhancing communication between vehicular ECUs and application. Additionally, decreased config time by 15% with custom caching policies .Established parsers tailored for AUTOSAR XML documents, with 60% increase in integration capabilities along CAN protocols .Programmed and optimized RESTful API Endpoints using Java, NodeJS Express to meet the communication with application GUIs, React dashboards and databases residing in cloud (MongoDB), improving system reliability with 50% increase in MTBF.Achieved a 40% improvement in application stability through automated test coverages and Postman integration tests .	

PROJECTS

Medicine Prediction via Sentiment Analysis	03/2019
Created a Django -based web app for medical drug recommendations based on 10k symptom-related reviews. <ul style="list-style-type: none">Engineered 4 insightful visualizations to showcase diverse facets of user feedback, enhancing user understanding.Optimized sentiment polarity classifiers using Python NLTK and Text-Blob with MaxEnt and Baye's algorithms for 80% accuracy.	
Route Repository System	10/2019
Developed a NodeJS -powered web app for streamlined transport management within an organization. <ul style="list-style-type: none">Enabled user-friendly registrations through REST APIs on a remote server, enhancing scalability for 1k concurrent registrations.Utilized AngularJS for front-end and NodeJS for back-end, enabling seamless access for over 5.6k users and five administrators.	
University Database System	10/2023
Developed a robust Relational Database Management System (RDBMS) using Microsoft SQL Server Management Studio (MSS Studio) to efficiently manage university enrollment requirements. <ul style="list-style-type: none">Extended data access methods using custom procedures and triggers to minimize complex joins and data dependencies.Refactored the system with custom secondary indices to ensure faster query results retrieval resulting in 60% faster reads .	

OTHER WORK EXPERIENCE

Arizona State University: Technology Consultant	09/2022 - 05/2024
<ul style="list-style-type: none">Troubleshooted Identity and Access Management (IAM) controls for internal device authorizations and maintenance.Provided expert consultation to users on functionalities, resolving 35% technical issues and optimizing user experience.	