

Vamshi Krishna Chittaloori

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SUMMARY

Results-driven Software Engineer with a master's degree in information technology and extensive experience in UI development, API integrations, and Systems Design. Proven ability to lead teams, drive projects to completion, and deliver exceptional results. Seeking opportunities to leverage expertise in dynamic software engineering roles starting from June 2024.

EDUCATION

Master of Science in Information Technology – Security	05/2024
Arizona State University, Arizona, United States	4.0 GPA
Bachelor of Technology in Computer Science and Engineering	09/2020
Jawaharlal Nehru Technological University, Hyderabad, India	7.7 CGPA

TECHNICAL SKILLS

Programming	: C, Java, Python, PHP, C++, SQL, Bash, TypeScript, JavaScript, HTML, CSS
Frameworks	: NodeJs, AngularJS, ReactJS, Spring Boot, Hibernate, Mongoose, SASS, OAuth, JWT, GraphQL, Django
Tools	: Kubernetes, Docker, GIT, Postman, QT, AWS (EC2, VPC, S3), Apache Kafka
Databases	: MySQL, PostgreSQL, MongoDB, AWS (RDS, Aurora, DynamoDB)

PROFESSIONAL EXPERIENCE

Arizona State University: Technology Consultant	09/2022 – Present
<ul style="list-style-type: none">Orchestrated the implementation of robust backup strategies utilizing secure volumes and storage handlers for 10,000 custom device images and configurations, ensuring data integrity and system reliability in a high-volume tech environment.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.	
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 timeframe, aligning with the evolving needs of the client by delivering solutions in React and ensuring a seamless migration process.Collaborated with Spring backend team to optimize REST APIs, ensuring efficient data transmission. Led a team of 20 engineers, ensuring timely delivery and seamless integration with organizational services.Implemented Jest, Enzyme unit tests, and Jenkins automated testing, covering critical components and functionalities accomplished a 40% decrease in post-deployment defects through test-driven development (TDD) practices.	
PeopleTech Group: Software Engineer	01/2019 - 12/2020
<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 configuration time by 15%.Established parsers tailored for AUTOSAR-specific XML documents, significantly enhancing application integration capabilities.Programmed and optimized RESTful API Endpoints and components using NodeJS Express to meet the communication between the desktop application with GUIs and databases residing in cloud.Supported and updated the application, boosting stability by 40% and slashing troubleshooting time by 50%. Documented progress, emphasizing C and Arduino message transceivers, and reducing new team member onboarding time by 25%.	

RELEVANT PROJECTS

Medicine Prediction via Sentiment Analysis	03/2020
<ul style="list-style-type: none">Created a Django-based web app for medical drug recommendations based on symptom-related reviews.Engineered 4 insightful visualizations to showcase diverse facets of user feedback, enhancing user understanding.Used optimized sentiment polarity classifiers using Python NLTK and Text-Blob with MaxEnt and Naive Bayes algorithms.	
Route Repository System	10/2019
<ul style="list-style-type: none">Developed a NodeJS-powered web app for streamlined transport management within an organization.Enabled user-friendly registration and guidance through REST API communication on a remote server, enhancing scalability.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
<ul style="list-style-type: none">Developed a robust Relational Database Management System (RDBMS) using Microsoft SQL Server Management Studio (MSS Studio) to efficiently manage university enrollment requirements.Extended data access methods using custom procedures and triggers to minimize complex joins and data dependencies.Refactored the management system using custom views and indices to ensure faster query results retrieval.	