Vamshi Krishna Chittaloori

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SUMMARY

Results-driven Software Engineer with a Master's degree in Information Technology - Security and reliable years of experience in UI development, API integrations, and Systems Design. Seeking software engineer roles, available to start from May 2024.

EDUCATION

Master of Science in Information Technology – Security   Expected May 2024
Arizona State University | Arizona | United States   4.0 GPA
Coursework: Advanced Information Security, Advanced Database Management Systems, Security Analysis, Systems Design

Bachelor of Technology in Computer Science and Engineering   Graduated September 2020
Jawaharlal Nehru Technological University | Hyderabad | India   7.7 CGPA
Coursework: Automata Theory and Algorithms Design, Web Technologies, Programming Languages, Computer Forensics

TECHNICAL SKILLS

Programming	:	C, Java, Python, PHP, C++, SQL, Bash, TypeScript, JavaScript, HTML, CSS, NoSQL, Networking
Frameworks	:	NodeJs, AngularJS, ReactJS, Spring Boot, Hibernate, REST, SASS, OAuth, JWT, GraphQL
Databases	:	MySQL, PostgreSql, MongoDB, AWS (RDS, Aurora, DynamoDB)
Tools	:	Kubernetes, Docker, GIT, Postman, NMap, WireShark, Cisco Packet Tracer, Burp Suite, QT
Platforms & OS	:	Linux, Web, Windows, Mac, Arduino, Raspberry, Android.
Technical	:	Systems Design, Ethical Hacking, Pen-testing, Vulnerability Assessment, Security Design and Policy

PROFESSIONAL EXPERIENCE

Wipro: Software Engineer   03/2021 - 08/2022
- Implemented UI enhancements in **React**, achieving a 30% increase in responsiveness and a 25% reduction in page load times.
- Migrated successfully from **Angular** to React, according to client preferences, within a challenging 2-month timeline.
- Collaborated and developed features with **Spring** backend to optimize **REST APIs**, enhancing system robustness and ensuring seamless integration with organizational services.
- Enhanced reliability through comprehensive unit tests using **Jest**, decreasing post-deployment defects by 40%.

PeopleTech Group: Software Engineer   01/2019 - 12/2020
- Developed a Windows application in QT and C++, reducing data transmission latency by 20% and configuration time by 15% for improved communication between vehicular devices and ECUs.
- Engineered parsers for AUTOSAR-specific XML documents, facilitating seamless integration of proprietary formats into the application.
- Provided consistent support and updates, increasing application stability by 40% and reducing troubleshooting time by 50%.

OTHER WORK EXPERIENCE

Arizona State University, Arizona, United States: Technology Consultant   09/2022 – Present
- Executed comprehensive device maintenance protocols for organizational computing resources and provided consultation for users on updates and functionalities.
- Enforced secure access controls and regulatory compliance principles within the internal device ecosystem.

RELEVANT PROJECTS

Pharma Prediction Analysis: (March 2020)	Implemented **Django**-based web app using sentiment polarity classifiers, **Python** NLTK, Naïve Baye's and Max-Ent algorithms for a medicine recommendation.
Route Repository System: (November 2019)	Developed a **NodeJS**-powered transport management system with REST API communication, transitioning from traditional logs to online administration.
Extensive Security Analysis: (December 2023)	Strategized vulnerability assessment on a target organization using various **OSINT** tools and translated to bug reports.
University Database System: (November 2023)	Designed and Developed a **Relational DBMS** on MSSStudio that manages university's enrollment requirements to minimize complex joins and faster retrievals of query results using custom procedures, triggers, and indexes.