RAVI TEJA ALCHURI

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SUMMARY

• 7+ years of professional IT experience in developing and delivering software solutions, with expertise in Java 8 or higher versions of SE/EE, EJB3.x, JDBC, JSP/Servlets, Web Services, WebSphere, or any other Java EE server, and SQL.

• Experienced in using MVC architecture using RESTful, Soap Web services and SoapUI and high-level Python Web frameworks like Flask, Django. • Demonstrated expertise in system analysis, design, and implementation of web-based and client/server applications using Java, Spring Boot, Micronaut, and Kotlin. • Proficient in developing microservices-based architectures and utilizing technologies such as Kafka, MongoDB, and PostgresDB. • Experienced in translating business requirements and functional specifications into logical program designs and delivering stable application systems. • Skilled in developing, configuring, and modifying integrated business and enterprise application solutions within various computing environments. • Proficiently worked with Java editors like Eclipse, IntelliJ, and Spring Tool Suite. • Applied Agile methodologies (Scrum) and utilized REST, CRUD, and SOAP APIs in project implementations. • Implemented robust error handling, exceptional handling, and debugging techniques. • Exhibited proficiency in Shell Scripting, SQL Server, Unix, and Linux environments. • Utilized Bugzilla, Jira, and other ticketing systems for issue tracking and management. • Hands-on experience with cloud platforms such as GCP and AWS. • Conducted code reviews and utilized code quality tools like SonarQube for validating violations. • Integrated code quality tools, such as SonarQube, into CI/CD pipelines. • Conducted testing and implemented CI/CD processes using GitLab CI/CD and gitlab-runner for Python applications. • Contributed to the development of web applications using React and Redux, leveraging ES6. • Designed and developed REST APIs, performed JSON parsing, and worked with jQuery, AngularJS, and other preferred frameworks like JQuery, Ajax, CSS, Struts, or Spring Frameworks. • Proficiently used Apache server, Apache Tomcat, and WebLogic as application servers. • Applied continuous integration and automation principles using Jenkins and other automation tools. • Experienced in unit testing, test-driven development (TDD), and load testing. • Demonstrated expertise in Python development and building SDKs, utilizing libraries such as Beautiful Soup, NumPy, SciPy, Matplotlib, Pandas, urllib2, and MySQL dB for database connectivity. • Developed presentation layers for web applications using HTML, CSS, and JavaScript. • Worked in Agile methodologies, with experience in Scrum stories and sprints. • Utilized automation tools such as Jenkins, Artifactory, and SonarQube for continuous integration and delivery (CI/CD), implementing end-to-end automation. • Possessed strong analytical skills to analyze complex systems and provide effective solutions. • Successfully established and managed source code repositories using Git, GitHub, Bitbucket, and GitLab. • Highly motivated, dedicated, quick learner, and proven ability to work independently and collaboratively as a part of a team. • Familiarity with React or similar JavaScript frameworks.

TECHNICAL SKILLS

Programming Languages	**: Java, Python, GoLang, PHP, NodeJS, C**
Web Technologies	**: HTML5, CSS3, XML, Java Script, JSON, jQuery and Bootstrap**
Frameworks	**: Spring Boot, Flask, Django, Angular12, ReactJS**
Databases	**: MongoDB, Redis, MySQL, Cassandra, Elasticsearch, Firebase**
VersionController	**: GIT, SVN**
Operating System	**: MacOS, Windows, and Linux**
IDE	**: Eclipse, IntelliJ, VS Code, Android Studio**

WORK EXPERIENCE

Wenable Inc

- **Technical Lead**   **Jan 2023 - Present**

    As a Full Stack Technical Lead, I provide strategic guidance and technical leadership to drive successful project delivery. With expertise in front-end and back-end development, I contribute to coding and code reviews, enforce coding standards, and promote collaboration and mentorship. I possess strong project management skills, ensuring effective planning, coordination, and resource management. Overall, I bring a comprehensive skill set, passion for technology, and drive for innovation to exceed business objectives.

Wenable Technologies

- **Senior Software Engineer**   **Jun 2019 - Aug 2021**

    As a key team member, my responsibilities included gathering requirements, analyzing, designing, and developing scalable APIs for Mobile Device Management. I was also responsible for developing and maintaining server-side microservices and containerization of the microservices involved. My contributions helped ensure efficient communication, data storage, and system scalability in a distributed environment.

- **Software Engineer**   **Jun 2018 - May 2019**

    As a Full-Stack Software Engineer, I design and develop robust, scalable software systems using Java, Golang, and NodeJS. I create efficient backend applications, APIs, and microservices, while building responsive web interfaces with ReactJS. I integrate MongoDB

and Redis for data storage and synchronization. Containerization with Docker and deployment on Kubernetes ensure scalability. I implement event-driven architectures using Kafka for real-time data streaming. Collaborating with cross-functional teams, I practice Agile methodologies for successful project delivery. I prioritize testing, optimization, and continuous learning to deliver high-quality code and optimized application performance.

- **Associate Software Engineer**   **Jun 2017 - May 2018**

As an Associate Software Engineer, I contributed to server-side application and API development using Java and/or Python. Collaborating with team members, I designed scalable backend systems and integrated databases like MongoDB and Redis for efficient data handling. I developed RESTful or GraphQL APIs, implemented containerization with Docker and Kubernetes for microservices architecture, and participated in testing and performance optimization. I documented technical specifications and collaborated across teams in an Agile environment.

CodeTantra Tech Solutions

- **Software Research Intern**   **May 2015 - Dec 2015**

As a Software Research Intern in Quality Assurance (QA), I played a key role in ensuring software project quality. Collaborating with the QA team, I developed test plans, cases, and strategies aligned with project requirements. I executed tests, reported defects, and maintained automated test scripts. I improved test automation infrastructure and contributed to accurate test documentation. Collaborating with cross-functional teams, I provided feedback and communicated results effectively. I conducted research on industry best practices, supported various QA tasks, and gained valuable insights into QA processes and testing concepts.

CERTIFICATIONS AND AWARDS

- ***CKAD: Certified Kubernetes Application Developer***
- ***Specialization in Programming with Google Go***
- ***Entrepreneurship Specialization***
- ***Oracle Certified Professional***
- ***MongoDB for Java Developers***
- ***Elasticsearch X-PACK: Security***
- ***Developer - Beginner Linux Containers***
- ***Earned the Maverick Advantage Distinction at UTA***

EDUCATION

Master's Degree in Computer Science - The University of Texas   **3.6/4.0 GPA**
Bachelor's Degree in Computer Science - Jawaharlal Nehru Technological University   **8.0/10 GPA**

CLUBS

- **Google Developer Student Club Core Team member at The University of Texas at Arlington**

TECHNICAL PROJECTS

WeGuard: An EMM/MDM and upcoming UEM platform. WeGuard is a one stop zero touch unified endpoint and mobile device management solution.

Responsibilities:

• Acted as the module owner - responsible for end-to-end management of all Apple device variants (iPhones, iPads, Macbooks, Apple TVs) using the MDM protocol. • Gathered requirements, conducted system analysis, designed, developed, tested, and successfully deployed robust software solutions. • Integrated Apple VPP seamlessly into WeGuard.

FREE TIME OPEN SOURCE PROJECTS

Project 1 - Analysis of Smart Contracts: The Ethereum-based Smart Contracts Analysis tool enhances Solidity code security by systematically identifying and exposing vulnerabilities. It offers comprehensive analysis, ensuring robust and resilient smart contracts for secure Ethereum-based applications.
Environment: Java 11, AntlrV4, Solidity, Eclipse.

Project 2 - Object Recognition System using Yolo: A Machine Learning-based Object Detection System using the OpenCV library, MXNet framework, and YoloV3 algorithm, to detect the instances of semantic objects of a class human from an image or a video.
Environment: Python3, Google Colab, YoloV3, PyTorch, Numpy, Pandas, Pillow, OpenCV, MXNet.

Project 3 - Directory Synchronization System: It enables seamless communication between a client and two servers using socket programming. It incorporates directory synchronization, file locking, and efficient data transfer for enhanced collaboration and data integrity.
Environment: Python3, Socket, Linux, Virtualbox, Docker.