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# K V Sai Madhav

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## Summary

Results-driven Software Engineer with a master's in computer science, specializing in Java and C++ application development. Led the successful upgrade of the EMPLTS application, boosting user satisfaction by implementing tailored solutions. Expertise in database migration, transitioning Oracle databases from 10g to 12c, and a strong commitment to Agile methodologies, consistently delivering projects on time in dynamic environments.

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## Skills

- Adaptability
- C++ Programming
- Web Development
- Time Management
- Web Server Management
- Agile and Waterfall Methodologies
- Attention to Detail
- Java Development
- Database Management
- Collaboration and Teamwork
- Cloud and Server Management
- Agile and Waterfall Methodologies

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## Experience

**SOFTWARE ENGINEER** | 08/2023 - Current

**Neemus Software Solutions - Hyderabad, TS**

**ADA - EMPLTS Team| Java/C++ Development Engineer**

- Implemented user-specific requirements with complete success through enhancements to the EMPLTS application
- Refactored team-developed application modules originally built in C++ to align with industry coding standards within the Qt 5.9 framework, achieving 98% user satisfaction upon deployment at end-user locations.
- Enhanced platform support and maintenance readiness through successful migration of Oracle databases
- Streamlined SDLC adherence by combining Agile and Waterfall methodologies, managing project life cycles to boost delivery efficiency, reducing project delays by 15%.
- Facilitated weekly and monthly performance reviews in Scrum meetings, enabling proactive issue resolution and maintaining an on-time delivery rate of 95% for scheduled tasks.

**LRDE - RMat Team| C++ Developer**

- Developed and launched RADAR Scope Tool application in C++ following a Test-Driven Development (TDD) approach, reducing testing time by 25% and ensuring robust functionality through thorough user input integration.

- Engineered core backend modules, requiring 60% RADAR technology expertise and UDP packet synchronization for seamless data delivery, achieving a 100% reliability rate in data handshakes.
- Leveraged agile methodologies to maintain 100% on-time project delivery to the end client, consistently meeting sprint deadlines and improving team productivity by 15%.
- Collaborated closely with cross-functional teams to optimize RADAR Scope Tool application performance, leading to a 30% reduction in response time and improved user satisfaction scores.
- Achieved zero critical errors post-deployment by implementing meticulous code reviews and quality assurance checks, contributing to enhanced client trust and project success.

## **SERVER ENGINEER | 08/2022 - 08/2023**

### **Defense Research and Development Laboratory - Hyderabad, TS**

- Led server maintenance initiatives, implementing backup and restore procedures for IMIS applications, achieving a 98% reduction in downtime during recovery events.
- Developed a Java/JSP application from the ground up as part of a replication process, enhancing efficiency by 30% over existing IMIS systems and streamlining data flow between servers.
- Collaborated closely with development teams to deliver knowledge-transfer presentations for in-house product upgrades, contributing to a 20% improvement in product update timelines.
- Enhanced ASP.NET server stability by optimizing HTML, CSS, JavaScript, and jQuery code, reducing server response times by 25%.
- Mentored and trained junior engineers on server backup procedures and Oracle Forms, Graphics, and Reports, leading to a 50% increase in junior team proficiency and self-sufficiency.

## **JUNIOR SOFTWARE ENGINEER | 10/2021 - 01/2022**

### **Strategic Solutions Group - Boston, MA**

- Engineered a CSV-to-Excel conversion feature using Java and JSP in a servlet architecture, reducing manual data processing time by 30% for clients.
- Developed and optimized disease-specific workflows to address production-related issues, enhancing operational efficiency for client applications.
- Resolved and tracked over 50 support tickets in JIRA, utilizing Agile/Scrum methodologies to ensure 95% on-time delivery of software fixes and enhancements.
- Employed AWS Workspaces and CloudWatch for automated monitoring and event-triggered responses, improving end-user support response times by 40%.
- Collaborated in a cross-functional Agile team, contributing to three successful sprint cycles that aligned with client requirements and exceeded quality standards.

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## **Education**

### **Central Michigan University - Mount Pleasant, MI | Master of Science**

Computer Science, Specialization in Website Development, 08/2021

### **BITS Pilani - Hyderabad, TS | Bachelor of Engineering (Hons)**

Electronics and Communication, 05/2018

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## **Technology skills**

Linux, Windows, Java EE, Qt Creator, JSP, HTML, CSS, Javascript, Java, C++, Apache Tomcat (8/9), Oracle (7/10/12), SQLite