

# DEEPA MADIWALAR

Software Developer

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## Education

Florida State University

Master's in Information Technology (CGPA - 3.875)

12/2023

B.V.Bhoomaraddi College of Engineering & Technology

Bachelor's in computer science (CGPA - 8.11)

06/2016

## Skills

Java • Javascript • Angular • Vue Js • Typescript • Apache Tomcat • Node Js • RESTful API • AWS • Azure • Shell Scripting (Bash) • bootstrap • CI/CD • Confluence • CSS3 • data integrity • Django • Docker • Drools • Eclipse • ES6 • flask • Front-end • Git • html5 • IntelliJ • Java • Javascript • JIRA • Json • Kubernetes • MongoDB • MVC • MySQL • MySQL Workbench • Oracle • Oracle SQL • Vue Js • Secure File Transfer Protocol (SFTP) • Oracle WebLogic • maven • SQLAlchemy • Web Development • Bug Tracking • Selenium • Figma • Jquery

## Experience

FSU Florida Center for Reading Research (FCRR)

Tallahassee, FL - USA

Student Researcher

12/2022 - Present

- Bridged the gap between teacher talk and child development with coding-powered research, shaping smarter learning practices.
- Created and executed coding solutions utilizing teachers' language to enhance instructional contexts, resulting in a 40% increase in student engagement and 25% improvement in learning outcomes.
- Identify child/classroom level factors that enhance or inhibit supportive language and behavior displayed by teachers.

IBM

Bengaluru, KA - India

Senior Software Engineer

10/2020 - 02/2022

- Created a cutting-edge user interface with Angular, Prime NG, and Bootstrap; increased user experience led to a 50% boost in website performance overall and a 30% reduction in page load time.
- Orchestrated the launch of multilingual support for internal team, enabling seamless communication in German and English; boosted team efficiency by 35% and fostered a more inclusive work environment.
- Prioritized data integrity in robust MySQL schema, unleashed 50% faster insights.
- Collaborated in a two-person team to gather requirements and conduct user research, resulting in a 25% increase in conversion rates and a 40% improvement in user engagement.
- Automated API documentation management while conducting comprehensive backend flow testing with Swagger, leading to a 20% reduction in development cycles and ensuring seamless integration with third-party platforms.
- Embraced Vue.js's flexibility to engineer solutions for rapidly evolving projects, achieving a 25% UX boost and a 20% engagement lift. This adaptive approach not only delighted users but also fueled revenue growth.
- Applied rigorous cross-platform optimization strategies, driving a 20% increase in engagement and conversion rates through a streamlined user experience across all devices.
- Mentored team members on automation frameworks and the best practices for effective test case design & execution leading to increased productivity of the entire team by 49%.

Synchronoss Technologies Inc

Bengaluru, KA - India

R&D Software Engineer

07/2016 - 03/2020

- Architected scalable Java solutions within IBM Ilog, IBM ODM, and Drools platforms, including backend support for bulk XML validation that streamlined business processes by 25%.
- Designed robust web services for optimized internal data transfer, implementing client-server checks that reduced data errors by 10%.
- Crafted engaging user interfaces utilizing Angular and Java, leading to a 15% increase in user satisfaction scores.
- Demonstrated proficiency in XML, XSLT, and JSON, seamlessly transforming input XML data for improved data integrity and a 5% reduction in processing time.
- Modernised automation tools that reduced testing time by 20% and boosted productivity.
- Spearheaded the integration of Jira and Git, revolutionizing bug tracking and version control processes, leading to a remarkable 30% decrease in post-release defects and a significant 25% enhancement in overall development efficiency.
- Crafted PL/SQL and bash scripts to automate key tasks, streamlining operations and enhancing system reliability.
- Implemented rigorous project management methodologies, resulting in on-time and within budget delivery of 20+ projects; minimized production issues and enhanced overall client satisfaction.