

Pravallika Mummadi

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Profile Summary

Java Full Stack Developer with over 3 years of experience in healthcare and academia, including roles at Northwest Missouri State University and Accenture. Specializes in creating and optimizing Java-based applications and AWS solutions, which led to a 25% reduction in downtime. Experienced in developing RESTful APIs and microservices, resulting in a 50% boost in performance. Proficient in building front-end applications with ReactJS, and skilled in C++ for optimizing server-side processing. Available for in-person interviews & Open to relocation or on-site work.

Experience

Client - Northwest Missouri State University

01/2023 to 04/2024

Role - Information Technology Specialist

Maryville, Missouri

- Led the analysis, design, and implementation phases of the SDLC using Agile (SCRUM), enhancing development cycle efficiency by 30% and producing detailed design and technical documentation based on business requirements.
- Architected and integrated complex features leveraging Core Java concepts like Exception Handling and Collections API, leading to a 20% reduction in code-related issues during production releases.
- Designed and implemented distributed, multi-tiered systems to support high-availability applications, resulting in a 35% improvement in system scalability and resilience.
- Developed complex algorithms for data processing and retrieval, enhancing computational efficiency and reducing processing time by 20%.
- Architected multi-tiered solutions that integrated with relational databases, ensuring consistent data integrity and reducing data redundancy by 30%.
- Secured RESTful web services with Spring Security, facilitating seamless communication between applications and achieving a 20% decrease in security vulnerabilities.
- Improved user interface responsiveness and overall navigation efficiency by 35% through the creation of front-end components and UI elements using ReactJS, HTML, and CSS.

Company - Accenture

08/2021 to 12/2022

Client - Roche

Hyderabad, India

Role - Java Developer

- Created and enhanced application components using Spring Framework and MVC architecture, leading to a 15% increase in application maintainability and better-structured codebases.
- Optimized performance using Core Java's Multi-Threading and Exception Handling capabilities, reducing production issues by 18% and improving overall system stability.
- Applied the Singleton and Factory design patterns to create scalable and maintainable software architecture, resulting in a 20% reduction in code duplication and improved component reusability.
- Deployed RESTful microservices on JBoss Application Server, enhancing system response time by 30% and improving CRUD functionality across services.
- Designed and implemented relational database schemas using the latest technologies, leading to a 30% increase in query performance and streamlined data retrieval processes.
- Created and maintained detailed system test plans for Java-based systems, including automated testing scripts and manual test procedures, resulting in a 20% reduction in post-release defects.
- Provided mentorship to peers, facilitating skill development, and fostering a collaborative team environment, resulting in a 25% increase in team efficiency and knowledge retention.
- Resolved technical issues successfully, achieving 100% sprint success rate.
- Managed to be on-call tasks 24 hours a day, one week per month to address off-hour calls and emails.

Skills

Languages: Java, Python, JavaScript, C++, C#, ASP.NET, XML

Frameworks & Technologies: Spring, Hibernate, HTML5, CSS3, AngularJS, ReactJS, NodeJS, Bootstrap, JQuery, EJB, JMS

Cloud & DevOps: AWS (EC2, S3, Lambda, IAM, VPC, ELB, EBS, SQS, SNS, ECS, Athena, CloudFormation, CloudWatch), Docker, Kubernetes, Jenkins, Maven, Ant

Tools: Git, GitHub, GitLab, BitBucket, SVN, JBoss, Tomcat, WebLogic, WebSphere, Apache Kafka, ActiveMQ, RabbitMQ, Oracle, MySQL, SQL Server, Eclipse, IntelliJ, STS, Postman, SOAP UI , AI models, Streamlit UI

Testing & Methodologies: JUnit, Mockito, Agile/Scrum, TDD

Projects

Generative AI Chatbot with Streamlit

01/2024 to 04/2024

- Developed a chatbot application using Python that integrates with a generative AI model for interactive conversations.
- Enabled a seamless user experience by incorporating interactive elements and maintaining a clear and organized chat flow.
- GitHub link: https://github.com/Pravallika-Mummadi/Chatbot_StreamlitUI/tree/main

Expense Tracker

08/2023 to 12/2023

- Launched an iOS expense tracker app allowing users to categorize and monitor expenses in categories like food and transportation.
- Implemented real-time tracking and reporting features with data visualization for effective personal finance management.
- GitHub link: <https://github.com/Pravallika-Mummadi/Expense-Tracker>

Student Information Exchange

01/2024 to 04/2024

- Developed a student information exchange app that enables students to find accommodation, coordinate rides & book marketplace items and campus events.
- Created a comprehensive student app with interactive features to address all their needs efficiently.
- GitHub link: <https://github.com/Pravallika-Mummadi/Student-Information-Exchange-App/tree/main>

Education

Northwest Missouri State University, Maryville, Missouri
Masters in Applied Computer Science

01/2023 to 04/2024

Maturi Venkata Subba Rao Engineering College, India
Bachelors in Mechanical Engineering

07/2017 to 07/2021

Certifications

[AWS Developer Associate](#)
Professional Certificate

06/2024 to 06/2027