Manoj Saddanapu

Full Stack Software Engineer | Software Engineer

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SUMMARY

Experienced Software Engineer with 3+ years of expertise in developing and optimizing software solutions. Proficient in Java, Python, and SQL, with a proven proficiency to enhance system performance and efficiency. Designed and deployed RESTful APIs, achieving a 30% improvement in data accuracy. Capable in implementing CI/CD pipelines and utilizing AWS and Azure to accelerate deployment. Seeking to leverage strong skills and hands-on experience in a software development environment.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, Scala, C#
- **Web Development:** HTML, CSS, React, Angular, Node.js, Express.js
- **Databases:** SQL, MySQL, MongoDB, PostgreSQL, SQLite, PLSQL
- **Cloud Platforms:** AWS, Azure
- **Frameworks:** Spring Boot, Django, Flask, .NET, Ruby on Rails
- **DevOps Tools:** Docker, Kubernetes, Jenkins
- **Testing:** JUnit, Selenium, Postman, Mockito, Jest
- **Methodologies:** Agile, Scrum, Kanban
- **Operating Systems:** Linux, Windows, macOS
- **Data Visualization:** Power BI, Mode, Tableau
- **ETL Tools:** Informatica
- **Big Data Technologies:** Hadoop
- **Analytics Tools:** Google Analytics
- **Collaboration and Monitoring:** Slack, Monitoring
- **Version Control:** GitLab
- Software Development Lifecycle (SDLC)

PROFESSIONAL EXPERIENCE

Subaru
September 2023 – Present
Software Engineer

Technologies: Java, Spring Boot, SQL, AWS, Azure, CI/CD, RESTful APIs, Data Analytics, BI Tools

- Engineered software solutions using Java, Spring Boot, and SQL, reducing processing time.
- Designed and deployed RESTful APIs, enhancing data integration efficiency with client systems, resulting in a 30% increase in data accuracy.
- Fulfilled CI/CD pipelines and utilized AWS and Azure, cutting deployment time and boosting operational efficiency.
- Coordinated with cross-functional teams to gather requirements and deliver solutions that met business goals, leading to a 15% improvement in project delivery timelines.
- Conducted unit and integration tests, ensuring software reliability and minimizing bugs in production.
- Established data analytics and reporting features with SQL and BI tools, generating insights that improved resource allocation.
- Delivered technical support and resolved user issues, achieving satisfaction rate and reducing support response times by 35%.

ZT Systems
May 2023 – August 2023
Full Stack Software Engineer Intern

- Resulted and maintained scalable web applications using React, Node.js, and MongoDB, increasing user satisfaction for online banking and investment platforms.

- Implemented secure RESTful APIs with Node.js and MongoDB, enhancing data integration and third-party integrations, leading to a 30% reduction in transaction errors.
- Enhanced application performance by integrating AWS SQS for message queuing and Firebase for backend services, leading to a 30% improvement in load times.
- Collaborated with cross-functional teams to design and deploy new features, ensuring alignment with business objectives and increasing feature adoption.
- Employed unit and integration tests, improving code quality and reliability by 35%.

Capgemini
May 2020 – August 2022
Software Engineer
Technologies: Java, Python, SQL, NoSQL, AWS, Azure, Agile, CI/CD

- Continued scalable Software development with Java, Python, and SQL, enhancing system performance and efficiency for diverse client needs, increasing operational efficiency.
- Executed agile methodologies, improving project delivery times by 20% and fostering enhanced team collaboration and productivity.
- Optimized databases with SQL and NoSQL technologies, supporting high-volume data processing and achieving reduction in data retrieval times.
- Collaborated Working with diverse teams to ascertain needs and deliver high-quality software aligned with business objectives, achieving a client satisfaction rate of 25%.
- Boosted application functionality through rigorous testing and performance tuning, reducing system errors and improving overall user experience.
- Consumed AWS and Azure for application deployment, ensuring scalability and cost-effectiveness, reducing operational costs by 18%.

PROJECTS

Health Harbor (Hospital Management System)
January 2024 – May 2024

- Implemented advanced encryption to secure patient data, achieving compliance with data protection regulations and enhancing data integrity.
- Enhanced database schema, resulting in improvement in query performance and a reduction in record retrieval time by 40%.
- Resulted and integrated streamlined appointment management features, leading increase in scheduling efficiency and reduced patient wait times.
- Collaborated with a multidisciplinary team to design and deploy new healthcare service features, improving overall system efficiency.
- Automated data backup processes, reducing manual effort by 50% and increasing system reliability and recovery speed.

EDUCATION

Master of Science in Information Systems
Central Michigan University, Mt Pleasant, MI
August 2022 – May 2024

Bachelor of Technology in Computer Science and Engineering
Jawaharlal Nehru Technological University, Hyderabad, India
August 2016 – May 2020

CERTIFICATIONS & ACHIEVEMENTS

- Earned Lean Six Sigma Green Belt certification – Central Michigan University.
- Achieved Python, Java, and MySQL certification – HackerRank.
- Completed Amazon Web Services Fundamentals course – Coursera.