

# Manoj Saddanapu

Full Stack Software Engineer | Software Engineer

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## SUMMARY

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Experienced Software Engineer with 3+ years in developing high-performance applications using Python, Go, and Java. Achieved a 30% reduction in response times through RESTful API development. Proficient in leveraging frameworks like React and AngularJS to boost user satisfaction. Capable at using cloud services like AWS. Docker, Kubernetes to optimize performance and security. Seeking to leverage expertise in a Full Stack Software Engineer role.

## TECHNICAL SKILLS

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- **Programming Languages:** Golang, Python, Java, C, C++
- **Web Technologies:** HTML, CSS, JavaScript, AngularJS, React, Django
- **Databases:** SQL, MySQL, PostgreSQL, MongoDB
- **Data Visualization:** Tableau, Power BI, Google Analytics
- **Frameworks and Libraries:** React.js, Django, Golang Frameworks
- **Cloud and DevOps:** Docker, Kubernetes, AWS (S3, EC2, Lambda)
- **APIs:** RESTful API, SOAP
- **Testing and Development Tools:** Unit Testing (JUnit), SQL Server Development, Git, GitHub, Postman, VS Code
- **Collaboration and Monitoring:** Slack, Monitoring
- Software Development Lifecycle (SDLC)

## PROFESSIONAL EXPERIENCE

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Subaru

October 2023 – July 2024

Software Engineer

Technologies: Python, Go, C#, React, RESTful APIs, GraphQL, AWS, Azure

- Engineered full-stack applications with Python, Go, C#, and React, enhancing data management and analysis for projects.
- Designed and integrated APIs and microservices using RESTful and GraphQL architectures, boosting data retrieval efficiency by 35%.
- Optimized models with advanced algorithms and data structures in Python, improving visualization performance.
- Established intuitive React-based web interfaces for model exploration, enhancing user engagement and collaboration by 50%.
- Executed comprehensive testing (unit, integration, end-to-end), elevating application reliability and reducing bugs.
- Partnered with architects, engineers, and project managers to deliver solutions, streamlining project workflows and reducing delivery times by 20%.
- Advanced cloud-based platform using AWS or Azure, incorporating serverless computing and containerization, reducing deployment time.

ZT Systems

May 2023 – August 2023

Full

Stack Software Engineer Intern

- Optimized backend microservices using Python and Go, processing financial transactions monthly, enhancing overall system performance.
- Created scalable RESTful APIs to serve financial data to frontend applications, achieving 20% uptime through rigorous testing and code reviews.
- Spearheaded the development of a React-based user interface for a new investment product, improving user engagement based on user feedback.

- Designed and implemented data persistence solutions with PostgreSQL, reducing query response time by 40% through optimized database schemas.
- Joined in agile sprints, contributing to code reviews and increasing team efficiency through collaborative practices.
- Completed comprehensive unit and integration testing, elevating code coverage to 15% and ensuring robust application reliability.

Capgemini

May 2020 – August 2022

Software Engineer

Technologies: Python, React, PostgreSQL, Go, C#, Docker, Kubernetes

- Developed and optimized scalable web applications using Python, React, and PostgreSQL, achieving increase in user satisfaction ratings through enhanced performance.
- Collaborated with diverse teams to create RESTful APIs using Go, facilitating seamless integrations that reduced downtime by 15%.
- Engineered server-side logic in C#, improving data processing efficiency and reducing average response times.
- Employed Docker and Kubernetes for application containerization, enhancing deployment efficiency and increasing scalability across cloud platforms by 25%.
- Conducted thorough code reviews and performance testing, implementing best practices that resulted decrease in bug reports through CI/CD pipeline integration.

## PROJECTS

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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 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

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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

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