**Manoj Madduri** Full Stack Developer

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**Profile**

Results-oriented Full Stack Developer with over 5 years of experience in building scalable, high-performance server- side applications, Proficient in Java programming, Spring Framework, and Hibernate for seamless data integration. Strong expertise in developing RESTful APIs, implementing micro services architecture, Docker, Cloud Services and optimizing application performance for high concurrency.

# Skills

**Front-end Technologies:** HTML5, CSS3, JavaScript, React.js, Angular, Bootstrap, jQuery, AJAX, Redux, TypeScript

**Backend Technologies:** Vb.Net, C, C++, C#, Java, Spring Boot, PHP, Hibernate, Node.js, Express.js, MVC Framework, SOAP, RESTful APIs, Maven, Micro-services, Spring, Spring Data, JDBC, JPA, Python, .Net, Kafka Ruby, SCALA, Struts, ASP, Webservices, API, Code Review, Linux, Unix

**Database:** MySQL, NoSQL MongoDB, PostgreSQL, SQL Server, Oracle, Firebase, Cassandra, SQL Server Reporting Services

**Tools and Technologies:** Git, Pandas, NumPy, Docker, Kubernetes, Apache, Microsoft Azure, CI/CD, JUnit, Mockito, Swagger, Postman, Jenkins, Jira, Gradle, Jest, Selenium, Agile, Scrum, AWS (EC2, lambda, Auto scaling, SNS), Data Structures, Design Patterns, HTTP, TCP, IP, JSON, Communication Skills, software development life cycle, Cloud Computing

# Professional Experience

## Full Stack Developer, Cognier Jan 2023 – Present, Atlanta, USA

* Engineered an optimized MongoDB schema and applied advanced data modeling strategies to enhance the efficiency of data storage and retrieval in a financial services application, ensuring seamless transaction processing.
* Leveraged AWS cloud solutions, including EC2 for computing, RDS for database management, S3 for secure storage, CloudWatch for monitoring, and IAM for access control, to improve system scalability, security, and performance within banking applications.
* Built and maintained RESTful APIs using Java Spring Boot, incorporating complex business logic to support critical banking functionalities such as transaction processing, customer account management, and loan services.
* Implemented a microservices-based architecture, breaking down banking system functionalities into independent services, which improved modularity, streamlined maintenance, and allowed for independent deployments, enhancing operational flexibility.
* Orchestrated Docker containerization for banking microservices, ensuring hassle-free deployment across different environments, while integrating CI/CD pipelines via Jenkins for automated testing and deployment, reducing downtime and enhancing system resilience.
* Conducted rigorous unit and integration testing using JUnit, contributing to thorough code reviews and quality assurance measures to uphold security and compliance standards, ensuring system accuracy and stability in the banking sector.

## Software Developer, Keus Automation Jan 2018 – July 2021, Hyderabad, India

* Contributed to the development of home automation applications, participating in the design, implementation, and deployment of features that enhance smart device control and automation workflows.
* Code reviews and debugging, ensuring the performance, reliability, and security of automation software, while optimizing system efficiency.
* Developed interactive user interfaces using HTML, CSS, Bootstrap, React, and JavaScript, improving user engagement and accessibility for home automation control panels.
* Managed database operations using Oracle, writing optimized queries and stored procedures to handle real-time IoT device data and automation logs efficiently.
* Integrated modern frameworks like React and Redux, improving the scalability and responsiveness of smart home applications, allowing seamless automation and user control.
* Worked with version control systems like Git, server-side scripting with PHP, and debugging techniques to enhance software quality and maintainability.
* Collaborated with hardware and embedded systems teams to ensure seamless integration between software applications and IoT-based home automation devices.

# Education

**Master’s degree,** *Christian Brothers University* 08/2021 – 12/2022 | Memphis, USA Computer Information Systems

**Bachelor of Technology,** *NRI Institute of Technology* 05/2014 – 09/2017 | Guntur, India Electrical and Electronics Engineering