MARUTHIRAM P. TAMMANA

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JAVA FULL STACK DEVELOPER & SOFTWARE DEVELOPER
CLOUD SERVICES • FRONT/BACK-END DEVELOPMENT • DEVOPS PRACTICES
Orchestrating Seamless Solutions Across Front-End and Back-End Realms for Optimal User Experiences and Robust System Performance.

Versatile Full Stack Developer with extensive experience in delivering robust and scalable solutions across the entire software development lifecycle. Proficient in Java technologies, frameworks, and tools, with expertise in both front-end and back-end development. Skilled in designing and implementing responsive user interfaces using modern web technologies such as HTML5, CSS3, JavaScript, Angular, and React. Strong background in server-side development with Spring Boot, Hibernate, and other Java EE technologies. Experienced in database design, optimization, and management, with proficiency in SQL and NoSQL databases like MySQL, PostgreSQL, and MongoDB. Proven ability to collaborate effectively in cross-functional teams, communicate technical concepts clearly, and adapt to evolving project requirements. Committed to staying abreast of emerging technologies and continuously enhancing skills to deliver innovative and cutting-edge solutions.

Signature Strengths:

Software Development Lifecycle ♦ Responsive Design ♦ Continuous Integration/Continuous Delivery (CI/CD) ♦ Microservices Architecture ♦ Code Review ♦ Software Architecture ♦ Database Design ♦ Web Services ♦ Design Pattern ♦ Problem Solving

PROFESSIONAL EXPERIENCES

MCKESSON, NC   06/2023 – 02/2023
Tech Stack: Ajax, JavaScript, JSP, jQuery, HTML5, CSS3, J2EE, DevOps, Agile principles, and Jenkins for CI/CD, AWS, Spring Framework
Java AWS Developer - Contract

Overview: Impact driving force behind the development of a cutting-edge JavaScript framework, serving as a robust wrapper over jQuery and AJAX to streamline UI configuration widgets. Managed critical operational tasks and addressed on-demand support requests from tenant applications, safeguarding against any mission-critical application outages stemming from the workflow engine. Worked collaboratively with Business Analysts and Quality Assurance professionals in analyzing requirements from existing documentation, including liaising with 6 architects to design and implement tailored technical cloud solutions. Crafted J2EE backend code and executed comprehensive unit tests, ensuring alignment with specified acceptance criteria and compliance requirements.

Key Achievements:
- Spearheaded the development and maintenance of the Spring Boot application for an e-commerce website specializing in Vendors and Equipment, ensuring seamless functionality.
- Revitalized underperforming flows, achieving a remarkable 30% optimization in workflows through strategic transformation.
- Engineered Java-based back-end logic to deploy a state-wide underwriting model , delivering equipment policies to a staggering 500,000 potential customers, and implementing automated scripts to pinpoint and rectify low-performing workflows.
- Pioneered the incorporation of DevOps practices and agile methodologies, harnessing the automation prowess of Jenkins for a seamless continuous integration and continuous delivery pipeline.

HENRY SCHEIN   12/2022 – 05/2023
Tech Stack: J2EE, PostgreSQL, Hibernate, AWS S3, ECS, DynamoDB, ALB
Java Developer - Intern

Overview: Played a vital role in ensuring seamless deployment by maintaining and elevating the efficiency of the automated build and deployment process for applications. Worked closely with a dynamic team of 8 engineers, actively participating in all aspects from sprint planning to code shipping. Employed IntelliJ IDEA to meticulously debug and optimize code, resulting in an impressive 42% reduction in turnaround time. Engaged in daily mentoring sessions with 2 senior developers, actively contributing to weekly stand-up meetings.

Key Achievements:
- Orchestrated the implementation of a micro services architecture through collaborative efforts with developers, yielding a remarkable 30% reduction in application response time.
- Fine-tuned PostgreSQL database queries, leading to a substantial 26% decrease in response time for critical application features.
- Contributed significantly to the continuous improvement of established development processes by leading the deliver, analysis, and resolution of technical issues; independently designing and constructing application software with minimal supervision.

ACCENTURE, INDIA   05/2020 – 12/2021
Tech Stack: HTML5, CSS, Angular, JavaScript, Bootstrap UI/UX components, Java 8 features (Functional interfaces, Lambda Expressions, and Stream API), Spring JDBC and Spring Data, Hibernate, Route53, JPA, Maven, Node.js, Mongo DB.
Application Developer Analyst – Full Time

Overview: Catalyzed positive changes by leveraging AWS CLI to establish scalability for application servers, administering the AWS DNS system through Route53, and efficiently managing users and groups using Amazon Identity and Access Management (IAM). Integrated social media plugins seamlessly into the website using Angular, dynamically updating the homepage with daily news feeds through

newsfeed APIs. Engineered responsive chatbot APIs complete with authentication and authorization mechanisms. Instituted and executed automated unit testing frameworks, resulting in a substantial monthly time savings of 8-man hours.

Key Achievements:
- Enhanced quality outcomes by implementing Jenkins for continuous integration, resulting in a 50% reduction in manual effort and enabling faster release cycles.
- Demonstrated JavaScript proficiency in validating user input, manipulating HTML5 elements, and implementing reusable external JavaScript across multiple web pages.
- Engineered a scalable backend system using Spring Boot, enabling the application to effortlessly handle a remarkable 120% increase in concurrent user requests.
- Modernized capabilities by crafting an automation tool utilizing HTML5, CSS, and Angular for frontend, seamlessly integrating Spring MVC architecture and Hibernate to connect APIs with MySQL Database. Implemented Maven, reducing build time by an impressive 40% and facilitating faster app updates.
- Harnessed Java 8 features, incorporating Functional interfaces, Lambda Expressions, and Stream API to implement efficient business logic based on Object-Oriented Programming principles, concurrency, multithreading, and collections.

ACCENTURE, INDIA   05/2019 – 05/2020
Tech Stack: AngularJS, Express, Node.js, MongoDB, Spring Boot, HTML5, CSS3, JSON, JavaScript, Maven.
Full Stack Developer Associate – Full Time

Overview: Recruited to design, develop, and rigorously test HTML5, CSS, and jQuery components that adhere to web browser accessibility standards, while executing the MEAN stack architecture (AngularJS, Express, Node.js, MongoDB) for cutting-edge web applications. Implemented robust Transaction History, Payment details, and Saved-cards APIs using the Spring MVC Framework and J2EE, ensuring seamless functionality. Utilized JavaScript to validate user inputs, dynamically manipulate HTML elements, and create reusable external JavaScript modules, enhancing functionality across multiple web pages.

Key Achievements:
- Revolutionized database query performance through the implementation of caching strategies, incorporating technologies like Memcached and MySQL's Query Cache integration, resulting in a notable 20% improvement in overall database response times.
- Mounted strategies for information sharing on Confluence, enhancing team collaboration on documentation by a significant 50%.
- Deployed Hibernate ORM and Spring frameworks for efficient data persistence and transaction management, ensuring data integrity and reliable application behavior.
- Orchestrated the utilization of the Spring MVC Framework, aligning with Presentation tier MVC architecture, and incorporating the Front Controller design pattern along with Spring's dependency injection for optimal code structure and maintainability.
- Contributed to substantial performance enhancements by applying MySQL performance monitoring tools to proactively identify and address database performance bottlenecks.

EDUCATION & CERTIFICATIONS

The University of North Carolina at Charlotte – Charlotte, NC
Master's in Information Technology

SRM Institute of Science & Technology – Chennai, India
Bachelor of Technology in Electronics and Communication

AWS Cloud Practitioner || AWS Cloud Solution Architect Associate

TECHNICAL ACUMEN

Programming Languages:	JAVA, C#, Python
Front-End Stack:	HTML5, CSS, Java Script, TypeScript, jQuery, Bootstrap
Front End Framework:	Angular and AngularJS, Node JS, Express JS
Java Technologies:	J2EE, JSP, JDBC, Web Services, Servlets
Testing:	Junit, Cucumber, JMeter
Backend Frameworks:	Spring (Spring MVC, Spring Boot, Security, Spring IOC, Spring AOP, Spring DAO), Hibernate
Relational Databases:	MySQL, Microsoft SQL Server
NoSQL Databases:	MongoDB, Amazon Dynamo Db, Redis Cache
Methodologies:	Agile (SCRUM), Waterfall, XP
Cloud:	AWS (EC2, EBS, ELB, S3, KMS, VPC), Azure
DevOps:	Docker,Kubernetes
Tools:	IntelliJ IDE, Eclipse, Spring Starter Suite, Visual Studio Code, JupyterNotebook, Dynamics AX, Visual Studio Test Manager, Visual Studio Team Services, JIRA, GitHub, Bitbucket, OpenShift,