MARUTHIRAM PREETHAM TAMMANA
Full Stack Developer| AWS | JAVA |Angular

Location: NC | Phone: +1 980 553 0790| Email: maruthi.preetham1@gmail.com | LinkedIn: linkedin |GitHub: GitHub

SUMMARY

- Results-driven and versatile Full Stack Developer with 4 years in SDLC, Agile, and Scrum. Seeking a challenging position to apply expertise in **J2EE, Spring, Hibernate, AWS, Angular and MYSQL**.
- Through my wide range of skills and experience in **Full-stack development**, **Database management**, and **Cloud technologies**, drives me towards innovation, ensuring optimal performance, and delivering cutting-edge, customer-centric solutions.
- Employed Agile methodologies including **Scrum**, **Extreme Programming** with **Continuous Integration** and **Test- Driven development**.
- Proficient in Full-stack web development, specializing in **HTML5, CSS, Bootstrap, JavaScript, jQuery, AJAX** and Proficient in JavaScript MVC design patterns such as **Angular JS, Express JS, and Node JS** for the development of dynamic and resilient web applications.
- Developed responsive user interface (UI) components utilizing Semantic HTML5, Bootstrap, and REST API architecture to ensure accessibility and compatibility.
- Created **Angular components** that are compatible with the most recent versions of JavaScript and Angular CLI, thereby improving the functionality of web applications.
- Demonstrated proficiency in Full-stack development by seamlessly integrating **Angular, Bootstrap, Spring MVC, Hibernate,** and **MongoDB** to develop highly efficient and scalable applications.
- Proficient in administering Snowflake environments, including user management, security configurations, and resource monitoring.
- Expert in strategizing the most efficient systems for Cloud based Web applications in **AWS**.
- Advanced proficiency in writing complex SQL queries in Snowflake, including window functions, table functions.
- Competent in implementing robust data encryption strategies utilizing **Key Management Service (KMS)** to enhance the security of sensitive information stored across diverse applications and systems.
- Employed tools like **Maven, Jenkins,** and **AWS CLI** for automation, reducing build times and enabling faster application updates.
- Applied **Multithreading, Serialization, Externalization, Collections, Generics**, and **Core JAVA** concepts in application development, ensuring efficient code and high-performance applications.
- Ensured scalability and optimal performance of workflow engines, implementing Java back-end logic for a state-wide underwriting model and identifying and resolving low-performing workflows.
- Leveraged Hibernates security features for secure data storage and transmission, minimizing potential security vulnerabilities.
- Strong understanding of Core Java concepts such as Streams API, Time API, Functional Interfaces, Multithreading, Transaction Management, Exception Handling, and Lambda functions, Generics, and Collection API.
- Proficient in utilizing relational database ORM frameworks such as **Hibernate** and **Open JPA**, enhancing Data persistence and Database interactions.
- Additionally, well-versed in NoSQL databases, including MongoDB, Redis, and Dynamo DB, demonstrating versatility in handling diverse data storage solutions.
- Proficient in **MYSQL**, showcasing expertise in Designing Schemas, optimizing SQL queries, and maintaining Data integrity through Normalization and Indexing techniques.

SKILLS

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
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
Tools:	IntelliJ IDE, Eclipse, Spring Starter Suite, Visual Studio Code, Jupyter Notebook, Dynamics AX, VisualStudio Test Manager, Visual Studio Team Services, JIRA, GitHub, Bitbucket

EDUCATION

The University of North Carolina at Charlotte, Charlotte, NC   **Jan 2022- May 2023**
Master's in information technology

SRM Institute of Science & Technology, Chennai, India   **Jul 2015 - May 2019**
Bachelor of Technology in Electronics and Communication

CERTIFICATION

AWS Cloud Practitioner   Credential
AWS Cloud Solution Architect Associate   Credential

EXPERIENCE

Eranova AI, NC   **March 2024- Present**
Role: Software Developer
Tech Stack: Django Framework, JavaScript, HTML, CSS, AWS, Python, Snowflake
Responsibilities:

- Developed a dynamic and responsive web application with Django framework and HTML, CSS, Java Script.
- Created Ajax Functions for wrapping web pages with dynamic interactions.
- Designing architecture for SharePoint Syncing application which involves AWS components like S3,Lambda functions, Autoscaling ,Async

operations.
- Involved in migrating the application from Azure to AWS.
- Implementing Data warehousing using Snowflake with different schemas as backend for the Eranova Structured and Unstructured search using LLM models.

McKesson, NC   **Jun 2023 – Feb 2024**
Role: Java AWS Developer (Contract)
Tech Stack: Ajax, JavaScript, JSP, jQuery, HTML5, CSS3, J2EE, DevOps, Agile principles, and Jenkins for CI/CD, AWS, Spring Framework
Responsibilities:
- Developed a custom JavaScript framework that acted as a wrapper over jQuery and AJAX, facilitating UI configuration widgets. Employed Ajax, JavaScript, JSP, jQuery, HTML5, and CSS3 in the implementation.
- Created a policy component for a Customer Directive using Angular.
- Developed and maintained the Spring Boot application of Vendors and Equipment's e-commerce website.
- Ensured that the workflow engine continued to scale and perform well regardless of the load on the platform.
- Implemented DevOps practices and agile methodologies in the development process, leveraging the automation capabilities of Jenkins for seamless continuous integration and continuous delivery.
- Handled critical operation tasks as well as on-demand support requests from tenant applications.
- Ensured that 0 mission critical applications did not result in an outage situation due to the workflow engine.
- Developed J2EE backend code and implemented unit tests to meet specified acceptance criteria and compliance requirements.

Henry Schein   **Dec 2022 --May 2023**
Role: Java Developer (Intern)
Tech Stack: J2EE, PostgreSQL, Hibernate, AWS S3, ECS, DynamoDB, ALB
Responsibilities:
- Deployed a micro services architecture in collaboration with developers, reducing application response time by **30%.**
- Leveraged IntelliJ IDEA to debug and optimize code, reducing turnaround time by **42%**.
- Optimized PostgreSQL database queries, resulting in a **26%** reduction in response time for critical app features.
- Delivered, analyzed, and resolved technical issues, and participated in the continuous enhancement of established development processes, Designed, and built application software with minimal supervision.
- Maintained and enhanced the automated build and deploy process for applications.
- Gained exposure on collaborating with a team of 8 engineers, from sprint planning to shipping code.
- Received daily mentoring from 2 senior developers and participated in weekly stand-up.

Accenture, India   **May 2020 – Dec 2021**
Role: Application Developer Analyst (Full-Time)
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.
Responsibilities:
- Utilized AWS CLI for Setting up scalability for application servers for Setting up and administering DNS system in AWS using Route53 Managing users and groups using the amazon identity and access management (IAM).
- Designed efficient User Interaction screens using HTML5, CSS3, Bootstrap, JavaScript, and Angular9.
- Integrated social media plugins into the website using Angular, dynamically updating the homepage with daily news feeds via newsfeed APIs.
- Utilized Java 8 features including Functional interfaces, Lambda Expressions, and Stream API, implementing efficient business logic based on Object-Oriented Programming principles, concurrency, multithreading, and collections.
- Developed responsive chatbot APIs with authentication and authorization.
- Designed, implemented, and conducted automated unit testing frameworks, saving **8-man hours** monthly.
- Created an automation tool with HTML5, CSS, and Angular for frontend and integrating Spring MVC architecture, hibernate to connect APIs with MySQL Database, Employed Maven to reduce build time by **40%** and enable faster app updates.
- Designed a scalable backend system using Spring Boot, enabling the app to handle a **120%** increase in concurrent user requests.
- Implemented Jenkins for continuous integration, which reduced manual effort by **50**% and enabled faster release cycles.
- Utilized Hibernate, JPA, and other ORM frameworks to establish robust data access layers, facilitating seamless interaction with relational databases.

Accenture, India   **May 2019 – May 2020**
Role: Full Stack Developer Associate (Full-Time)
Tech Stack: AngularJS, Express, Node.js, MongoDB, Spring Boot, HTML5, CSS3, JSON, JavaScript, Maven.
Responsibilities:
- Developed specialized UI components, including a payment page, chatbot interface, and additional homepage plugins using Angular, enriching user experience and interactivity.
- Implemented Transaction History, Payment details, Saved-cards APIs using Spring MVC Framework and J2EE.
- Implemented Spring MVC Framework to adhere to Presentation tier MVC architecture, incorporating the Front Controller design pattern and Spring's dependency injection for optimal code structure and maintainability.
- Utilized Hibernate, JPA, and other ORM frameworks to establish robust data access layers, facilitating seamless interaction with relational databases.
- Leveraged JavaScript to validate user inputs, dynamically manipulate HTML elements, and create reusable external JavaScript modules for enhanced functionality across multiple web pages.
- Employed Hibernate ORM framework and Spring framework for efficient data persistence and transaction management, ensuring data integrity and reliable application behavior.
- Enhanced database query performance by implementing caching strategies, utilizing technologies like Memcached and MySQL's Query Cache integration, resulting in a significant **20%** improvement in overall database response times.
- Employed MySQL performance monitoring tools to proactively identify and address database performance bottlenecks, contributing to substantial performance enhancements.
- Shared knowledge on Confluence, which improved team collaboration on documentation by **50%**.