

MARUTHIRAM PREETHAM TAMMANA

Full Stack Developer | AWS Certified Developer

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Portfolio: [Portfolio](#) Blog: [Blog](#) | 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.
- Drawing on my extensive skills and experience in Full-stack development, database management, and cloud technologies, I am driven 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.
- Excel in Full-stack web development, specializing in HTML5, CSS, Bootstrap, JavaScript, jQuery, and AJAX. Proficient in JavaScript MVC design patterns like AngularJS, ExpressJS, and NodeJS for developing dynamic and resilient web applications.
- Crafted responsive user interface (UI) components utilizing Semantic HTML5, Bootstrap, and REST API architecture, ensuring accessibility and compatibility across devices and platforms.
- Engineered Angular components compatible with the latest versions of JavaScript and Angular CLI, enhancing the functionality and performance.
- Exhibited proficiency in Full-stack development by seamlessly integrating Angular, Bootstrap, Spring MVC, Hibernate, and MongoDB to create highly efficient and scalable applications.
- Administered Snowflake environments, including user management, security configurations, and resource monitoring, ensuring optimal performance and security.
- Strategized efficient systems for cloud-based web applications in AWS, leveraging services like EC2, S3, and KMS to optimize performance.
- Demonstrated advanced proficiency in writing complex SQL queries in Snowflake, utilizing window functions and table functions to enhance data analysis and reporting.
- Implemented robust data encryption strategies using Key Management Service (KMS), ensuring the security of sensitive information across diverse applications and systems.
- Utilized tools like Maven, Jenkins, and AWS CLI for automation, significantly reducing build times and enabling faster application updates.
- Applied multithreading, serialization, externalization, collections, generics, and core Java concepts in application development to ensure efficient code and high-performance applications.
- Leveraged Hibernate's security features for secure data storage and transmission, minimizing potential security vulnerabilities.
- Utilized relational database ORM frameworks like Hibernate and JPA, enhancing data persistence and database interactions. Additionally, well-versed in NoSQL databases including MongoDB, Redis, and DynamoDB, demonstrating versatility in handling diverse data storage solutions.
- Exhibited proficiency 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, React , Node JS, Express JS, Tensorflow.js, ML5.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, Kafka, VPC, SQS, SNS), Azure, Snowflake
DevOps:	Docker, Kubernetes
Tools:	IntelliJ IDE, Eclipse, Spring Starter Suite, Visual Studio Code, Jupyter Notebook, Dynamics AX, VisualStudio Test Manager, Visual Studio Team Services, JIRA, GitHub, Bitbucket

EXPERIENCE

Eranova AI, NC

March 2024- May 2024

Role: Software Developer

Tech Stack: Django Framework, JavaScript, HTML, CSS, AWS, Python, Snowflake, Tensorflow.js, ML5.js

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.
- Designed architecture for SharePoint Syncing application which involves AWS components like S3, Lambda functions, Autoscaling, Async operations.
- Integrated machine learning models using TensorFlow.js and ML5.js for real-time supervised and unsupervised data segregation, enhancing client data analysis and decision-making capabilities.
- 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 acting as a wrapper over jQuery and AJAX for UI configuration widgets, using Ajax, JavaScript, JSP, jQuery, HTML5, and CSS3.
- Created a policy component for a Customer Directive using Angular, enhancing client-side functionality and user experience.

- Developed and maintained a Spring Boot application for a Vendors and Equipment e-commerce website, ensuring high performance and reliability.
- Scaled and optimized workflow engine performance, ensuring seamless operation under heavy platform loads.
- Implemented DevOps practices and agile methodologies, leveraging Jenkins for continuous integration and continuous delivery automation.
- Managed Docker images using Docker Hub, creating, tagging, and pushing custom images, automating image builds, and ensuring reliable version control.
- Deployed and managed Kubernetes clusters, ensuring high availability and scalability of applications. Configured Kubernetes deployments, services, and namespaces to optimize resource utilization.
- Handled critical operation tasks and on-demand support requests from tenant applications, ensuring prompt resolution and minimal downtime.
- Maintained 100% uptime for mission-critical applications, preventing outages due to the workflow engine.
- Developed J2EE backend code and implemented unit tests to meet specified acceptance criteria and compliance requirements.
- Utilized Helm for Kubernetes application packaging and deployment, streamlining the deployment process and ensuring consistency across environments.

Henry Schein

Dec 2022 --May 2023

Role: Java Developer (Intern)

Tech Stack: J2EE, PostgreSQL, Hibernate, AWS S3, ECS, DynamoDB, ALB, Kubernetes

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.
- Deployed and managed Kubernetes clusters on AWS (EKS), ensuring high availability, scalability, and security of application.
- 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:

- Leveraged AWS CLI to set up scalable application servers, administer DNS systems using Route53, and manage users and groups with Amazon Identity and Access Management (IAM).
- Engineered efficient user interaction screens using HTML5, CSS3, Bootstrap, JavaScript, and Angular 9, enhancing user experience and interface responsiveness. Integrated social media plugins into the website using Angular, dynamically updating the homepage with daily news feeds through newsfeed APIs for real-time content delivery.
- Exploited Java 8 features such as functional interfaces, lambda expressions, and Stream API to implement efficient business logic, enhancing performance with Object-Oriented Programming principles, concurrency, multithreading, and collections.
- Developed responsive chatbot APIs with robust authentication and authorization mechanisms, ensuring secure and reliable interactions.
- Designed and implemented automated unit testing frameworks, resulting in a monthly saving of 8 man-hours and improving code reliability.
- Created an automation tool utilizing HTML5, CSS, and Angular for the frontend, integrated with Spring MVC architecture and hibernate for backend API connectivity to a MySQL database. Employed Maven to reduce build time by 40% and facilitate faster application updates.
- Architected a scalable backend system using Spring Boot, enabling the application to handle a 120% increase in concurrent user requests efficiently. Implemented Jenkins for continuous integration, reducing manual effort by 50% and accelerating release cycles with automated build and deployment processes.
- Utilized Hibernate, JPA, and other ORM frameworks to establish robust data access layers, facilitating seamless and efficient 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 using Angular, including a payment page, chatbot interface, and homepage plugins, enhancing user experience and interactivity.
- Implemented Transaction History, Payment Details, and Saved-cards APIs using Spring MVC and J2EE, ensuring secure and efficient data handling.
- Architected MVC architecture with Spring MVC, leveraging Front Controller design pattern and dependency injection for optimal code structure.
- Established robust data access layers with Hibernate, JPA, and ORM frameworks for seamless database interactions.
- Utilized advanced JavaScript for input validation, dynamic HTML manipulation, and reusable modules, enhancing functionality across web pages.
- Ensured efficient data persistence and transaction management using Hibernate ORM and Spring framework.
- Improved database performance by 20% through caching strategies with Memcached and MySQL Query Cache.
- Proactively addressed database bottlenecks using MySQL performance monitoring tools, leading to substantial system efficiency improvements.

EDUCATION

The University of North Carolina at Charlotte, Charlotte, NC
Master's in information technology

Jan 2022- May 2023

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

Jul 2015 - May 2019

CERTIFICATION

AWS Cloud Practitioner
AWS Cloud Solution Architect Associate

[Credential](#)
[Credential](#)