

Tharun Motipalli

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SUMMARY

- A Technocrat 4+ years of IT experience in Analysis, Design, Development, implementation and execution of test cases of software application using **Java/J2EE** technologies.
- Extensive experience in developing web applications using Python, Java, J2EE, JSP, Servlets, EJB, JDBC, Struts, Spring MVC, Spring Boot, Hibernate, JMS, JSF and XML.
- Experienced in working with **Redux** architecture using complex Object-oriented concepts in improving the performance of the websites. Used **NOSQL** database **Amazon DynamoDB** to store data of reporting Application.
- Strong experience in **Unix & Linux Shell scripting Bash, Perl scripting**.
- Experience in developing **Microservices** using **Spring-Boot**. Created and triggered automated builds and Continuous Deployments (**CD**) using **Jenkins/looper** and **OneOps** cloud.
- Experience in developing Single Page Application (**SPA**) using **Angular**, Routing, Controllers, Services, and Custom Directive. Used Apache **SVN** and **Git** for repository management and Ant for build management.
- Expert in **HTML5/CSS3** development and have experience in Backbone.js, Require.js, node.js, angular.js, Grunt js, Responsive design. Good Experience in **Mock Testing**.
- Implemented **MVC** architecture by using **Spring MVC** to send and receive the data from front-end to business layer. Experience with Integrated Development Environments like **Eclipse**, **IntelliJ** and **STS**.
- Experienced working in both **Agile** and **Waterfall** based development environment and participating in Scrum sessions.
- Strong knowledge and hands-on experience of deploying applications using **Kubernetes**, cloud native application development, pivotal cloud foundry, **JavaScript**, **Kendo UI**, **Java/J2EE** technologies & **RDBMS**.
- Strong working knowledge of Database Programming using and maintaining **SQL**, **PL/SQL**, Triggers and Stored Procedures, **NoSQL** databases, **MongoDB** and **Cassandra**. Created Location Look up **SOAP** based web services.
- Experience in using **J2EE** Application Servers such as **Apache Tomcat**, **IBM Web sphere**.
- Development experience with **java** such as OOPS Concepts, Strings, IO, Multithreading, Collections and Exception Handling.

WORK EXPERIENCE

Java Software Developer

Citi | Tampa, Florida, USA

June 2024 - Present

Responsibilities:

- **AWS Lambda** was utilized for serverless implementations, where the functions were triggered when the database tables were updated and **AWS Cloud Watch** was utilized for alarms.
- Used **Hibernate** extensively to have Database access mechanism with complex queries through **Hibernate Query Criteria** interfaces, and **Hibernate** to deal with the database.
- Used **Spring** Core annotations for **Spring** Dependency Injection, **Spring MVC** for **Rest API's** and **Spring Boot** for **microservices**. For version control management used **CVS** software.
- Maintained 24/7 high volume availability demands using open-source tools such as **Linux**, **Apache**, **PHP**, and **MySQL**. Good Command on **CQL** to run queries on the data present in **Cassandra Cluster**.
- Worked with Node JS framework including authoring complex directives, services, controllers and filters.
- Developed interactive, high-performance **Power BI** dashboards utilizing **DAX** and **Power Query (M)** to visualize key business metrics for Fortune 500-level clients.
- Involved in writing application-level code to interact with APIs, **Web Services** using **AJAX**, **JSON** and **XML**.
- Worked in Payment Team for backend services using **Java**, **Spring 5**, **SpringBoot 2.4**, **MyBatis** and **RabbitMQ**.
- Write unit tests using **JUnit**, **Mockito** or other testing frameworks to ensure code quality and test coverage.
- Used **AngularJS** framework for building web-apps and is highly efficient in integrating with Restful services.
- Method references are used provided in **Java8** to make use of methods already named
- Worked on fixing bugs and used **JIRA** to update them

- Developed generic **Java** packages to produce and consume **JMS** messages through topics and queues in asynchronous message processing with guaranteed delivery, Used **IBM MQ Series** as the **JMS** provider.
- Deployed our application on Pivotal Cloud Foundry (**PCF**) which is used to reduce the development overhead by providing a ready to use platform.
- Extensive expertise in **Kubernetes**, orchestrating containerized applications for efficient deployment, scaling, and management. Deployed the java application using **Maven** build script.
- Strong Database design and development experience, which includes developing Stored Procedures, functions using **SQL** and **PL/SQL** in **MS-SQL**, **Oracle**, **DB2**, **PostgreSQL** databases Along with experience in Data, Multithreading and have worked on search techniques and algorithms.
- Used **AWS** dynamo DB for storing config values and utilized as flags to control the code flow.
- Consumed **SOAP** web services and **RESTful JSON** web services to create the automated report.
- Experience on scripting (e.g. **Bash**, **Powershell**, **Perl**, **Ruby**, **Python**)
- Installed the **WebSphere MQ** and involved in configuring **MDB listeners**, **JMS** resources, and queues and integrating with the **WebSphere Application Server**.

Technologies Used: AJAX, Angular, AngularJS, AWS, AWS Lambda, Cassandra, CI/CD, CVS, DB2, Hibernate, Java, Jenkins, JMS, JSON, JUnit, Kubernetes, MQ Series, MVC, MySQL, Oracle, PCF, PL/SQL, PostgreSQL, RESTful, SOA, SOAP, Spring, Spring Boot, Spring MVC, SQL, Web Services, XML.

Software Engineer

Computer Age Management Services (CAMS) | Chennai, India

July 2022 - June 2023

Responsibilities:

- Use Amazon CloudWatch to monitor **AWS** resources & Amazon CloudWatch Logs to collect and store logs from **AWS** services. Used **AWS Lambda** for Serverless computing.
- Experience with **MYSQL** database using **Hibernate**.
- Integrated **Python** scripts within data workflows to automate repetitive data cleaning tasks and perform predictive analytics.
- Worked on Server-side **CSS** pre-processing platforms and UI kits, such as **LESS/SCSS**, **Node.js**, foundation and **Bootstrap**. Used **GitHub** to maintain the version of the files.
- Applied **graphic design principles** to dashboard development, focusing on intuitive navigation and visual hierarchy to enhance user adoption rates.
- Leveraged **SQL** to perform advanced data extraction, transformation, and loading ETL tasks, ensuring data accuracy and consistency across enterprise environments.
- Worked on **XML**, **XSD** and **XSLT** to parse the request and create the new one based on the specification.
- Implement and enhance **TMS** (Test Management Service) application using **Spring** framework to manage Test details. Designed **REST** based **Microservices** using **Spring Boot**.
- Implemented the complete set up with configuration file changes from **Angular 6** to **Angular 8**. While migrating the project which involved converting angular components and updating router Modules.
- Fixed defects Identified in Production/ **QA** environments; Defects were tracked in **Jira** tracking Portal.
- Designed various modules using technologies like **CSS** Media Queries, **HTML5**, **AJAX**, **JSON**, and **JavaScript**.
- Created/managed **MongoDB/NoSQL** collections. Developed Server-side automation using **Node.js** scripting and connecting different types of **SQL** and **NoSQL** databases.
- Designed, configured and deployed **Amazon Web Services (AWS)** for a multitude of applications utilizing the **Amazon Web Services** focusing on high-availability, fault tolerance and auto-scaling.
- Extensively used **Java 8** features such as lambda expressions, Parallel operations on collections, multithreading and for effective sorting mechanisms.

Technologies Used: AJAX, Amazon Web Services, Angular, Angular 6, AWS, AWS Lambda, Bootstrap, CI/CD, CSS, Git, GitHub, Hibernate, HTML, HTML5, IntelliJ, Java, Java 8, JavaScript, Jenkins, Jira, JSON, Microservices, MongoDB, MySQL, Node.js, NoSQL, Spring, Spring Boot, SQL, Web Services, XML.

Java Developer

Renault Nissan Technology & Business Centre India | Chennai, India

March 2021 - June 2022

Responsibilities:

- All the functionality is implemented using **Spring Boot** and **Hibernate ORM**.
- Used **SDK** such as **Eclipse IDE**, **Toad**, and **SVN** etc. in this project. Involved in web services design and development. Responsible for creating and consuming web services using **REST** and **XML**.
- Authored detailed **technical documentation**, including system design specifications, data dictionaries, and API integration guides for cross-functional teams.
- Develop various screens for the front end using **React** and used various predefined components from NPM (Node Package Manager) and **Redux** library. Used **Git** as source code version control.
- Followed **Agile** methodology and involved in daily **SCRUM** meetings, sprint planning, showcases and retrospective and used **Jira** as a tracking tool for the **sprints**.
- Implemented the function to send and receive **AMQP** messages on **RabbitMQ** synchronously and asynchronously and send **JMS** message to **Apache ActiveMQ** on the edge device.
- Used **Pivotal Cloud Foundry**, the connection/service binding details is injected from the deployed cloud platform itself. Modified existing **Shell scripts** in **Unix** to call daily sub routines.
- Developed and designed the web interface using **HTML5**, **CSS3**, **JavaScript**, **jQuery**, **React** and **Bootstrap**.
- Triggered the automation jobs using **Jenkins** to get the cucumber **JSON** reports.
- Experience in managing **MongoDB** environment from availability, performance, and scalability perspectives. Executing tasks on **XML registry**, **XSLT/XQuery**, and transformation capabilities.
- Build & Deployment in WebSphere Application Server.
- Utilized **Java 8** features like **Lambda Expressions** and **Stream API** for Bulk data operations on Collections which would increase the performance of the Application.

Technologies Used: Agile, Bootstrap, CSS, CSS3, Eclipse, Git, Hibernate, HTML, HTML5, Java, Java 8, JavaScript, Jenkins, Jira, JMS, jQuery, JSON, Lambda Expressions, MongoDB, React, Redux, S3, Spring, Spring Boot, Jest

SKILLS

Programming Languages: Java (8,11), Python, Pega

Operating Systems: Windows, Linux, Mac, Unix

ORM Technology: iBatis, MyBatis, Hibernate

IDEs: Eclipse, IntelliJ, RAD, NetBeans

Application Frameworks: Spring Framework, Spring MVC, Spring Boot, Spring Cloud, Spring Batch, Hibernate

Databases: Oracle, MySQL, SQL Server, MongoDB, Cassandra

Web Technologies: HTML5, CSS3, JavaScript, AngularJS, Angular 2.0/4.0/7, ReactJS, Node.js, Bootstrap, jQuery, JSON, TypeScript, Backbone.js

Web Services: REST, SOAP, RESTful, Microservices, AWS

Build Tools: Maven, Gradle, Ant

CI/CD Tools: Jenkins, Bamboo

Cloud Technologies: AWS, Azure, Google Cloud

Containerization: Docker, Kubernetes

Testing: Junit, Mockito, Jest, Enzyme, Mock Testing

Version Control: Git, SVN, BitBucket

EDUCATION

Master of Science (M.S.) in Computer Science

Florida Institute of Technology | Melbourne, Florida, United States

Graduated: May 2025