**Chandra Bhanu Tata**

**Java Full Stack Developer**

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# SUMMARY

* 5+ years of Java Full stack developer experience in all stages of the life cycle, referring to Design, Development, Implementation, and testing of web-based applications.
* Well-versed in Software Development Life Cycle (SDLC) implementing Waterfall, and Agile methodologies.
* Good experience in Spring framework modules such as Spring MVC, JSF, Spring Boot, and Spring Microservices.
* Experience in developing Dynamic Single Page Applications (SPA) using Node.js, React.js full stack development tool kit.
* Expert in designing and developing applications using J2EE Technologies like Servlets, JSP, JSTL, JavaBeans, and JDBC.
* Proficient at designing dynamic web applications using HTML, CSS, JavaScript, Bootstrap, jQuery, Ajax, JSON, and XML.
* Ability to use of Amazon Cloud Watch to monitor Amazon Cloud Watch Logs to collect and store logs from AWS services.
* Understanding of working with database technologies like MySQL, and PostgreSQL.
* Proficiency in Object-Oriented Analysis and Object-Oriented Design using Unified Modeling Language UML.
* Good experience with various version control systems like Git.

# EDUCATION

**Masters in Applied Computer Science**

Northwest Missouri State University | JAN 2021 – MAY 2022

**Bachelor of Technology in Computer Engineering**

Vignan's Foundation for Science, Technology & Research, Andhra Pradesh | MAY 2016 – MAY 2020

# SKILLS

**Methodology:** SDLC, Agile, Waterfall

**Languages:** Core Java, Java 8, SQL

**Frameworks/Libraries:** Spring MVC, Hibernate, SpringBoot, Microservices, Spring Security, Node.JS, React.JS

**IDE’s:** NetBeans, IntelliJ IDEA, Eclipse, Visual Studio Code

**J2EE Technologies:** Servlets, JSP, JavaBeans, JDBC

**Web Technologies:** HTML, CSS, JavaScript, Bootstrap, TypeScript, jQuery, Ajax, JSON, XML

**Application Server:** Apache Tomcat, AWS, Azure

**Database:** MySQL, NoSQL

**Build /Other tools:** UML, MS Visio, Maven, Gradle, JUnit, Jenkins

**Version Control Tools:** Git, GitHub, Jira, Trello

**Operating Systems:** Windows

# EXPERIENCE

## Amazon Web Services | May 2022 – Current

## Software Development Engineer

* Championed the implementation of region-build automation, creating a streamlined runbook for effortless generation of new regions.
* Automated intricate monolithic scripts into incremental modules, significantly enhancing deployment efficiency.
* Transferred APIs (e.g., Run Task) onto the internal platform "Paperwork," optimizing resource management and integration.
* Devised and executed rigorous penetration and integration testing, ensuring the integrity of the migration.
* Formulated metrics, alarms, and dashboards for vigilant monitoring, amplifying operational visibility.
* Collaborated extensively across functions for seamless deployment across multiple regions, encompassing gamma, beta, and production stages.
* Resolved Service-to-service communication challenges through inventive synchronous and asynchronous solutions.
* Achieved a 35% reduction in deployment time by implementing automation and modularization strategies.
* Enhanced system reliability with a 40% decrease in average response time, achieved by optimizing API transfers and resource management on the "Paperwork" platform.

## Northwest Missouri State University · Part-time | Jan 2021 - May 2022

## Software Developer

## Worked on a web application called ATS (Attendance Management System) for faculty and students at the University.

## Utilized a Microservices architecture using Spring Boot and Spring Cloud to modularize the code and implemented REST APIs using WebClient.

## Documented the REST APIs using Swagger2 for clear documentation and service understanding.

## Enhanced the performance of the internship program project by optimizing database queries, restructuring data models, and successfully completing update features within a one-month timeframe, meeting a two-month deadline.

## Developed five new pages using ReactJS to ensure seamless functionality across various devices and thoroughly debugged them for quality assurance.

## Conducted reverse engineering on legacy modules related to a critical Progressive Web Application (PWA) to improve component interoperability and code maintainability.

## Transformed existing duplicate components into generic and reusable components, reducing redundant code and enhancing application load times.

## Addressed nested routing issues within existing pages and implemented protected routes for user-specific content.

## Wrote unit tests and integration tests for code changes using Mockito and JUnit, significantly increasing test coverage for existing features.

## Managed project dependencies and build processes using Maven configuration.

## Implemented CRUD (Create, Read, Update, Delete) operations in MongoDB as the data source.

## Adons Softech, India | Nov 2017 - Nov 2020

## Java Full Stack Developer

* Developed the project using Software development life cycle (SDLC) Waterfall Methodology.
* Designed and developed a user authentication and authorization system using Java Spring Security and React.js, achieving a 30% improvement in application security and data protection.
* Configured applications using Spring Boot and integrated Spring Security for REST APIs for secure authentication and authorization, ensuring robust application security and protection of sensitive data.
* Designed and optimized database schemas using Core Java and JDBC, leading to a 40% improvement in database query performance and reduced server load.
* Developed and maintained web applications using Java and Spring MVC, resulting in a 10% increase in application performance and user satisfaction.
* Designed and developed a cloud-based e-commerce platform using Java, Spring Boot, and AWS services, resulting in a 50% increase in scalability and performance.
* Created UI components in React.js, applying Redux, React Hooks, Routers, and Component-based architecture.
* Leveraged Node.js clustering to improve server performance, handling 20% higher concurrent requests.

# CERTIFICATIONS

Project Management Foundations: Lessons Learned - LinkedIn

 Career Essentials in Software Development - Microsoft and LinkedIn