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# PRATHYUSHA REDDY

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## Summary

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- Java Developer with 8+ years of experience in Design, Development, Deployment, Testing and Implementation of object-oriented and Web-based applications.
- proficient at building reliable Java/J2EE solutions using Unified Modeling Language (UML) and Java Design Patterns.
- Proficient with J2EE frameworks and technologies, such as AWT, JSP, JDBC, Servlets, EJB, Struts, Servlets, Spring MVC, Spring Boot, Spring IOC, Spring Batch, and Hibernate 3. x.
- Proficient in front-end development, focusing on Angular (including Angular 4) and using TypeScript, HTML, CSS3, Ajax, and jQuery to create dynamic and responsive user interfaces.
- Experience with Angular (versions 2-9), HTML5, CSS3, JavaScript, Bootstrap, jQuery, React.js, JSP, Node.js, Ajax, and JSON, among other client and server programming languages.
- Broad expertise in software development, technical design, system analysis, and web development.
- Proficient in building data pipelines using MapReduce, Spark, Hive, Sqoop, Pig, and Spark SQL components from Hadoop.
- Experienced in using Microsoft Azure services, such as Azure Data Factory and Azure Data Lake Storage (Gen1 and Gen2) among others.
- Proficiency in utilizing several AWS services, including EC2, S3, Simple DB, RDS, Elastic Load Balancing, SQS, IAM, CloudWatch, EBS, and CloudFront.
- Expert in modifying Documentum products, such as WebTop, Compliance Manager (DCM), and Web Publisher, by using XML, WDK, Java, and Documentum Foundation Classes (DFC).
- Strong in Object-Oriented Analysis and Design (OOAD), Object-Oriented Programming (OOP), and the Software Development Lifecycle (SDLC), and has extensive experience working in multi-tier distributed settings.
- Extensive hands-on experience with MRV1 and MRV2 Hadoop architectures.
- Proficient knowledge of the fundamentals of Java, such as collections, multi-threading, exception handling, generics, and Java I/O.
- Experienced in front-end development with frameworks and libraries like jQuery, Ajax, JavaScript, Node.js, React.js, Backbone.js, and AngularJS.
- Proficient in designing and developing applications using Java, J2EE, and web technologies.
- Proficiency with cloud platforms, encompassing Google Cloud Platform (GCP) and Amazon Web Services (AWS).
- Expert in Object-Oriented Analysis (OOA) and the implementation of several J2EE design patterns, such as Data Access Objects, Model-View-Controller, Factory, Singleton, and Data Transfer Objects (DTO), skilled in Object-Oriented Programming (OOP) and AngularJS.

- Extensive background in developing Unix shell scripts.
- Proficient in front-end development using JavaScript, HTML5, CSS3, jQuery, Ajax, JSON, and JSTL.
- Strong background in Java/J2EE technologies, encompassing Servlets, JSP, and JDBC.
- Proficient in designing Python automation scripts for a variety of applications and developing unique Map-reduce programs in Java utilizing Apache Hadoop for Big Data analysis.
- Created Python automation programs to handle files, process data, and perform system activities.
- Proficient in pair programming, test-driven development (TDD), and Agile approach; specialized in online apps built with Rails and React.js; used PostgreSQL to extract databases. Expert in writing Java/J2EE applications utilizing IDE tools like Eclipse and NetBeans.
- Strong background in database programming, including PL/SQL and SQL, as well as in setting up and maintaining stored procedures and triggers. Expertise developing, managing, and modeling databases in Oracle and SQL Server settings.

## Skills

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### Java/J2EE Technology

Java 8,11,17 J2EE, JSP, JDBC, Servlets, JavaScript, XML, Web Services (SOAP, JAX-RPC, JAX-WS, JAX-RS, WSDL, XSD), REST API,Log4j

### Operating Systems

Windows, Macintosh, Unix, and Linux

### Languages

Java, JavaScript, SQL, HQL, PL/SQL

### Java/J2EE Technologies

Java EE, Servlets, JSP, JSTL, XSLT, JDBC, JNDI, JMS, JPA, JSF

### Web Technologies

HTML5, DHTML, CSS3, XML, JavaScript, AJAX, JSP, Angular 4/5/6,

Angular JS, jQuery, Express, Bootstrap

### XML/Web Services

XML, XSD, SOA, WSDL, SOAP, Apache CXF, DOM, SAX, JAXWS, JAXRS, XML Beans, REST, JAXB, Restful, AWS

### Frameworks

Struts, Hibernate ORM, Spring MVC, Spring Boot, Spring AOP, Dropwizard, Selenium, Mockito, JUnit, Protractor, Cucumber

### RDBMS

Oracle, MySQL, SQL-Server, PostgreSQL, MariaDB, DB2

### NoSQL

MongoDB, Cassandra, Oracle NoSQL

### Web/Application Servers

Apache Tomcat, JBoss, Web Sphere, Web Logic

### IDE's

Eclipse, STS, IntelliJ, WebStorm

### Design Patterns

Singleton, session facade, Front Controller, MVC, DAO, Factory

Observer, Prototype

### Version Controls

GIT, SVN, JIRA, Rally

### Methodologies

Unified Modeling Language (UML), Rational Unified Process (RUP), Agile.

### Build Tools

Ant, Maven, Gradle, Docker, Jenkins.

## Experience

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06/2022 - Current

**Albertsons** — Dallas, Texas

### **Sr. Full stack java developer**

- Participated in design discussions to develop numerous applications that support the organization's offerings
- Contributed to the development of a data lake for the Global Business Transactions (GBT) reporting team
- Developed, improved, and maintained several backend pharmacy APIs using Java, Spring Boot, and GraphQL
- Built the application using React JS capabilities such as JSX, virtual DOM, and one-way data binding
- Played a vital role in developing scalable, distributed data solutions with Hadoop
- Review and analyze Cobol code to create requirements for .NET C# programs and classes
- Implemented asynchronous messaging using Kafka clusters and created durable apps with circuit breaker patterns and retry methods
- Managed application deployment and maintenance, including secret management, using Azure resources
- Contributed to the design and implementation of a data lake and ETL operations in Python and the Hadoop ecosystem
- Created APIs that use AWS Lambda to manage servers and execute code on AWS infrastructure
- Developed dynamic user interfaces (UIs) using React JS, using virtual DOM, JSX, one-way data flow, and other fundamental React concepts
- Increased productivity through the coding, testing, and debugging of Visual Basic programs
- Operational assistance for Hadoop cluster management was given, covering upgrades, decommissioning, and node commissioning
- Filed and monitored Documentum cases, working with EMC support to address outstanding problems
- Various aspects and requirements for pharmacy operations were addressed by developed and implemented technical solutions
- Contributed to the rapid development of interactive user interfaces and web applications using React JS
- Developed Node.js AWS Lambda functions to apply AWS Config rules, making full use of context object features and text object methods
- Worked with Microsoft Azure cloud services to move on-premises data to Azure Data Lake Storage Gen1 & Gen2 from cloud-based FTP servers and RDBMS sources like PostgreSQL
- Designed and implemented microservices architecture using Spring Boot, creating and deploying scalable, RESTful APIs to optimize application performance and maintainability, and integrated logging using log4j for efficient monitoring and troubleshooting
- Deployed microservices on AWS Lambda, leveraging serverless computing for cost efficiency and scalability, and utilized AWS CloudFormation for declarative

resource creation and infrastructure management

- By utilizing Flask and Python to create a microservices architecture, the developers were able to boost the scalability of the system by 20% while maintaining a more modular and manageable codebase.

02/2020 - 05/2022

**Foot Locker** — New York

**Senior Java Developer**

- Participated in web application development projects utilizing Java/J2EE and the XML and Spring frameworks
- Utilizing Java 8 capabilities like date/time API, lambda expressions, functional interfaces, and fundamental ideas like inheritance, polymorphism, collections, serialization, and multithreading, business components were built
- Participated in the collection, analysis, design, and documentation of requirements for a project that was started from scratch
- Created web components using the Spring framework and the MVC architecture
- Conducted requirement analysis, design changes, and Spring MVC component creation and maintenance
- Contributed to the creation of JavaScript and HTML for client-side displays and form data validation
- Used Jenkins in conjunction with building technologies like Maven and Gradle as part of the continuous integration process
- Docker and AWS instances were used to deploy the microservices that were developed with Spring Boot inside containers
- Front-end components were created using JavaScript, JSP, Spring MVC, Java, and JSON
- Using Spring Boot, microservices and RESTful API endpoints were designed and implemented
- Worked with RESTful APIs and consumed RestTemplate-based microservices
- Created and implemented a microservices-based Spring Boot application on AWS EC2 instances
- Created use case diagrams, process flows, system flows, and interactions with Microsoft Visio with the RUP technique
- The program was designed and developed using Agile techniques like Scrum, Test-Driven Development (TDD), and others
- Hibernate 3.0 was used to build the persistent layer, which included features like projections, criteria, HQL queries, and mapping POJO objects using Hibernate annotations and transaction management
- Created user interfaces with React.js, HTML5, CSS3, JavaScript, jQuery, and JSON
- Used the reusability principle of React.js to improve the performance of the application
- Used HTML5, CSS3, Bootstrap, and React.js to contribute to the web application's design, development, and testing
- Using HTML5, CSS preprocessors, JavaScript, React.js, React-Redux, and Redux-Saga, interactive web pages were created
- Created front-end displays with React Native, utilizing a variety of NPM (Node

- Package Manager) pre-built components
- Encapsulated components were created using React.js, allowing for rich data flow throughout the application while preserving state management outside of the DOM
- Developed server-side JavaScript apps using Node.js, resulting in real-time web APIs
- Web services for dynamically rendering images were implemented using JavaScript, AJAX, jQuery, and JSP
- Utilized Java Message Service (JMS) with an emphasis on status report exchanges and JMS connections for dependable and asynchronous communication
- Mapping Java classes to XML formats was done using XML and Java Architecture for XML Binding (JAXB)
- Worked with S3, EC2, CloudWatch, and CloudFormation, among other AWS components
- Used Docker to generate and launch images on AWS as microservices
- Created EJB message-driven beans for an email distribution publisher-subscriber model
- Developed Gradle build scripts with a solid grasp of the artifact repository architecture and Gradle build tools for WebSphere application build and deployment
- Used Log4j to implement centralized logging while following the singleton design paradigm
- Jenkins was used to manage the deployment and continuous integration operations
- Implemented a Service-Oriented Architecture (SOA) by developing SOAP web services, WSDL, and web service clients using JAXB and XML
- Used client-side scripting with JavaScript to implement scripts in web applications with data formatting
- Oversaw and preserved NoSQL databases (MongoDB) inside a production setting.

01/2018 - 01/2020

**Southern Company** — Franklin, Tennessee

**Senior Java Developer**

- Engaged in all phases of the software development lifecycle, including design, coding, testing, and documentation
- Created use cases and designed object models and class diagrams using UML specifications
- Developed backend interactions by implementing Spring MVC REST controllers and services
- Utilized Spring inheritance to extend functionality from existing parent beans
- Authored Spring Configuration XML files for declaring beans, database connections, and other dependencies
- Developed and deployed REST API services with Spring Boot to provide endpoints for end devices
- Led Joint Application Development (JAD) sessions with management, development teams, and users to clarify requirements and enhance communication
- Used DAO pattern to fetch data from database using Hibernate to carry out various database operations
- Used Hibernate Transaction Management, Hibernate Batch Transactions, and

cache concepts

- Developed screens using JSP, JavaScript, AJAX and Ext JS as well as implemented SOA to develop Web Services using Apache Axis
- Developed various generic JavaScript functions used for validations
- Used AJAX extensively to implement front end/user interface features in the application
- Involved in implementation of MVC pattern using Angular.JS and Spring Controller
- Used JavaScript for Client-Side page validation scripting to avoid the need for Post Back and thereby improving the performance and responsiveness
- Designed the front-end application and user interactive web pages using web technologies like Angular.js in conjunction with Bootstrap to render web pages responsive.

06/2016 - 08/2017

**Erusen** — Hyderabad, India

### **Full stack java developer**

- Developed and implemented MVC Architectural Pattern using Spring Framework including EJB, Form Bean and Action classes
- Use of JavaScript and jQuery for Client Interface HTML page validation
- Implemented all the components of Spring Framework (Controller classes, Spring Bean Configuration file (dispatcher-servlet.xml)
- Developed the business layer using Spring Boot
- Used Spring Boot to collect the data from users and packaged the data as JSON distributed to applications
- Involved in implementing the Micro Services based on Restful API utilizing Spring Boot with Spring MVC
- Designed and developed a web-based client using Servlets, JSP, Tag Libraries, Java Script, HTML and XML using Spring Framework
- Implemented spring, JSP and Ajax to design the user interface
- Developed various J2EE components like SAX, XSLT, JAXP and JMS by using Eclipse
- Responsible for creating efficient design and developing User Interaction screens using HTML5, CSS3, JavaScript, React.JS, Redux and Bootstrap
- Worked on Redux making list reducers, reducers functions and implementing store methods
- Created reusable and testable React.JS functional and class components using ES6
- Use of JSX in the React components for cleaner HTML-like structure inside JavaScript
- Created and configured Micro-Services architecture and integrated with React.JS application
- Created the Application using React.JS and Node.JS libraries NPM, gulp directories to generate desired view and flux to root the URLs properly
- Worked in using React native components, Forms, Event, Keys, Navigation and Redux concepts
- Client-side validation was created using JavaScript and Ajax for asynchronous communication

- Implement modules into Node JS to integrate with designs and requirements.

07/2015 - 05/2016

**IndoGlobal health Sciences** — Hyderabad, India

**Java Developer**

- Produced mock-up and design documentation for the system after analyzing the requirements
- Accumulated expertise with all phases of the project lifecycle, encompassing requirements collection, business analysis, high-level and detailed design, data design, coding, testing, and producing functional documentation
- Utilized Agile approaches, such as Extreme Programming (XP), to improve code quality and adapt to client requirements even at the very end of the development process
- Created the presentation layer with JavaScript, JSP, and HTML
- Using the Struts Validation framework, client-side validations were implemented
- Used XML and XSD to design web services that are SOAP-based
- Used web services with a SOAP based architecture to integrate applications
- Used design patterns including DAO, Session Façade, Business Delegate, Singleton, and Service Locator
- Utilizing Java, JSP, JavaScript, AJAX, Spring, Hibernate, and HTML, GUI programming was developed
- A lot of AJAX was used to create user-specific search features for the application
- HashMaps, LinkedLists, and TreeMaps were used to implement the collection framework
- Eclipse was used as the integrated development environment during work (IDE)
- Gained practical knowledge of Core Java, including file handling, I/O operations, generics, collections, multithreading, concurrency, and exception handling
- Ant was used to manage the build and deployment procedures
- Used a UNIX environment to deploy programs into QA environments.