**Prashanth M**

Senior Full Stack Developer

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**As a highly adept and motivated Java Developer with 7+ years of experience in developing, testing, and deploying applications, I am skilled in designing, coding, and debugging applications using Java/J2EE technologies such as Java, Spring, and Hibernate.**

**PROFESSIONAL SUMMARY**

* Expertise in Design and development of various web and enterprise-level applications using **Java/J2EE** technologies Such as **Spring, Hibernate, EJB, JPA, Servlets**
* Involved in all stages of the Software Development Life Cycle (**SDLC**) and working in an AGILE Methodologies-based development environment, participating in spring/iterations and SCRUM meetings.
* Expertise in Core **Java** concepts like OOPS, Data Structures and Algorithms, Generics, Collections, Multithreading, Exception handling, I/O, Serialization, and Java. Lang package.
* Good hands-on experience developing a responsive single-page application using Angular framework and **JavaScript**.
* My experience includes working with front-end technologies such as **ReactJS**, TypeScript, **JavaScript**, and **jQuery**, as well as experience with the XML suite of technologies and web technologies like Angular JS and NodeJS.
* Built Restful web APIs to develop applications with Spring Framework and associated technologies such as **Spring Boot**, Spring Data, Spring Cloud, **Spring MVC**, Spring Security, Spring Web, etc.
* Created Web services, SOA-based applications, and writing Web Services using **SOAP**, **REST,** and **UDDI** in distributed web application development environment.
* Implemented Relational **DBMS** like Oracle, SQL Server, MySQL, DB2, and Toad for performing SQL and PL/SQL programming and NoSQL DB like MongoDB.
* Developed DAO objects and implemented data access layer using **JPA-Hibernate** to perform CRUD operations.
* I have hands-on experience with **Agile** methodologies and tools such as **Ant**, **Maven**, and **Jenkins** for project build/test/deployment.
* Proficiency in **AWS** Identity and Access Management (**IAM**), such as creating users, and groups, organizing IAM users into groups, assigning roles to groups, and managing Virtual Machines in Amazon using AWS and **EC2**.
* Proficient in using Amazon Web Services **AWS**. Extensive experience focusing on services like **EC2, VPC, Cloud Watch, Cloud Front, Cloud Formation, IAM, S3, Amazon RDS, Elastic Cache, SNS, and SQS**.
* Knowledge in creating **ARM** templates for the Azure platform and strong understanding of various **Azure** services like Compute (Web Roles, Worker Roles), Azure Websites, Caching, SQL Azure NoSQL, Storage, and API Management.
* Hands-on expertise with version control systems like CVS (Concurrent Version Systems), SVN (Apache Subversion), Sub Version Codes, and **GIT** for providing a common platform for all the developers.
* I can communicate with repositories in **GitHub**. With the ability to quickly learn new concepts and technologies, I have a proven track record of delivering projects on time and within budget while working with cross-functional teams.
* I was involved in a **TDD** (Test Driven Development), **Mockito** for mock creation and verification, and **Postman** for connection testing.
* I obtained good knowledge in developing test cases with **Junit** for Unit testing and **Log4j** for extensible logging, debugging, and error tracing.
* Expertise in Database Testing, Front-end, Functional testing, System testing, and GUI application testing.
* Experience using **JIRA** to provide bug tracking, issue tracking, and project management functions.
* I possess excellent communication and problem-solving skills and am adept at developing and implementing software solutions to meet customer needs.

**EDUCATION**:

**Wright State University, Fairborn, OH**

Master's in computer science

**JB Institute of Engineering and Technology, Telangana**

Bachelor's in computer science

**TECHNICAL SKILLS**

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| **Languages**  | Java, Python, JavaScript, J2EE, C |
| **Java/J2EE Technologies** | JDK, JVM, JRE, Swing, AWT, Applets, JDBC, Servlets, JSP, Struts, Spring, Spring MVC, Spring Boot, MyBatis/iBatis, Hibernate, JTS, JTA, JavaMail, Web Services, RMI, JPA. |
| **Frameworks**  | Struts, Spring (MVC, AOP, DAO, ORM, Core), Spring Boot, Hibernate, MyBatis/ iBatis, NodeJs, ExpressJS |
| **Web Technologies** | Angular JS, Angular 9, NodeJS, ReactJS, Bootstrap, Backbone.js, HTML5, DHTML, CSS3, JavaScript, TypeScript, Struts Tag Library, JSON, JSTL. |
| **IDE Tools**  | Eclipse, IntelliJ IDEA, NetBeans, Android Studio, JDeveloper, Visual Studio Code |
| **Design Patterns** | MVC, Front Controller, Service Locator, Transfer Object, Factory Pattern, DAO Pattern, UML, Object Oriented Analysis and Design. |
| **Build Tools** | Maven, Gradle, Jenkins, ANT. |
| **Web Services**  | REST, RESTful, SOAP, WSDL, UDDI, JAX-WS, JAXB, JAX-RS, JAX-RPC |
| **Application Servers**  | Apache Tomcat, JBoss, GlassFish, Nginx, WebSphere, WebLogic, Jetty |
| **Scripting**  | JavaScript, jQuery, Perl, Python, Scala, HTML, Ruby, Shell Script, SSH, Bash. |
| **Databases**  | Oracle, MYSQL, Couchbase, PostgreSQL, IBM DB2, SQLite, MariaDB, SQL Server, MSSQL |
| **AWS Services** | EC2, ECS, VPC, S3, CloudFront, RDS, RedShift, IAM, CloudWatch, Dynamo DB, S3 bucket, ELB, Lambda. |
| **Cloud Services (IaaS, PaaS, SaaS)**  | Amazon Web Services (AWS), Google Cloud, Rackspace, Pivotal Cloud Foundry |
| **Methodologies/Design Patterns** | Agile, MVC, DAO, Factory Pattern, Singleton, Delegation |
| **DevOps Tools**  | Jenkins, Docker, Ansible, JIRA |
| **Version Control Tools**  | GIT, Bitbucket, SVN |
| **Testing**  | Selenium, Junit, Log4j, Lambda Test |
| **Messaging Tools** | JMS, Java Mail. |
| **Operating System**  | Windows, Linux, Unix, Macintosh HD |
| **Miscellaneous** | Splunk, MS Office, UI Path Studio, MS Project |

**PROFESSIONAL EXPERIENCE**

**CLIENT: Tresata April 2022 – Present**

**Location: Charlotte, NC**

**ROLE: Sr Full Stack Developer**

**Responsibilities**:

* Constructed **Java/J2EE** applications using frameworks such as Spring Boot and Hibernate. Learned the importance of using the right tools for the job and effectively integrating the front-end and back-end of a website or application.
* Proficient in developing Single Page Applications (**SPA**) using Angular9. The experience of creating SPA taught me how to Build fast, efficient, and scalable web applications that deliver a seamless user experience.
* I am adept at working with Angular's powerful features, such as directives, components, and services, which helped me create reusable, modular, and maintainable code, resulting in more efficient development processes.
* I have followed best practices to develop code that is maintainable and extensible. I learned how to use frameworks such as **Spring Boot** and **Hibernate** to construct Java/J2EE applications quickly and efficiently while ensuring that the code is maintainable and extensible.
* Executed **RESTful** web services using Jersey and **Spring MVC**. Learned how to design APIs that clients could use to access our data reliably and securely.
* Implemented microservices using spring boot, deployed them in Pivotal Cloud Foundry (**PCF**), and have experience building pipelines for them using **Kubernetes**.
* We initiated web applications using Spring MVC, Spring Security, and Spring Boot. We leveraged Spring MVC, Spring Security, and Spring Boot to develop web applications with authentication and authorization.
* Deployed Spring Boot to develop an end-to-end web application with authentication and authorization.
* Developed and maintained web applications using Spring Boot and **Tomcat**. We used Tomcat to create and maintain the web applications and deployed the microservices on the **AWS** cloud using EC2, S3 bucket, EBS, ELB, and other related services.
* Constructed and deployed the microservices on AWS cloud using **EC2**, **IAM**, **Redshift**, **CloudFormation**, **CloudWatch**, **Dynamo DB**, **S3 bucket**, **EBS**, **ELB,** and **Lambda**. ELB automatically distributed incoming application traffic across multiple EC2 instances to increase the application's fault tolerance.
* Expanded the architecture for the application, which is highly resilient, fault-tolerant, and cost-effective, with the help of AWS services.
* Implemented authentication and authorization with the help of **AWS** **IAM** and **Cognito**. Used AWS IAM and Cognito to authenticate and authorize users, allowing them to access the application securely.
* Provisioned and maintained the required infrastructure in the AWS cloud. This allowed us to scale the application quickly and efficiently when needed.
* Designed, built, and implemented CSV Parsing utilizing the big data strategy on AWS EC2 and successfully converted the Django database from **SQLite** to **MySQL** to **PostgreSQL** with complete data integrity.
* Developed automated build and deployment pipelines using **Jenkins**. Implemented Bamboo for Continuous Integration and Continuous Deployment. Used Jenkins to set up automated build and deployment pipelines, allowing us to deploy changes and updates quickly and efficiently to the application.
* Designed and implemented a clustered container system utilizing **Docker** and **Kubernetes** to handle hundreds of microservices written mainly in Java and NodeJS.
* Implemented Docker-maven-plugin in maven pom to generate Docker images for all microservices, then utilized Docker file to construct Docker images from java jar files.
* Installed **GIT** for version control and code repository. Utilized **GIT** feature branching and tagging. Maintained good code quality using code reviews. This allowed us to quickly track changes and revert to older versions when needed.
* Upgraded and implemented automated test cases using **Junit**, **Mockito**, and **Selenium**. Utilized **SoapUI** for testing web services, which allowed us to ensure that only authorized users could access the application.
* Executed authentication and authorization using **Spring Security** and **OAuth2.0**. Developed security protocols for data transmission and storage.
* Enforced security protocols to ensure that data was securely transmitted and stored. This allowed us to protect the data and ensure it was not vulnerable to malicious attacks.
* Integrated **Checkmarx** and **SonarQube** for Security and code quality checks. By integrating Checkmarx and SonarQube into the development process, I ensured the code was secure and met the quality standards.

**Tools and Technologies:** JAVA/J2EE, HTML5, CSS, JavaScript, Spring boot, AWS cloud, Hibernate, Spring MVC, RESTful, Tomcat, Angular9, SPA, AWS, Jenkins, Junit, GIT, Mockito, Selenium, SoapUI, EC2, S3, IAM, Redshift, Dynamo DB, ELB, CloudFront, Lambda, Bamboo, Docker, Kubernetes**,** Spring Security, SQLite, MySQL, PostgreSQL, SonarQube, Checkmarx.

**CLIENT: Cardinal Health Aug 2021 - April 2022**

**Location: Dublin, OH**

**ROLE: Sr Full Stack Java Developer**

**Responsibilities**:

* Developed **Azure** cloud-based architectures to facilitate the deployment of applications and services on the cloud platform. We developed Azure cloud-based architectures to provide a secure and efficient way to deploy applications and services on the cloud platform.
* Employed Azure features to combine apps and schedule back-end operations without deploying or managing servers.
* Implemented various screens for the front end using **ReactJS**, utilizing multiple predefined components from **NPM** (Node Package Manager), **Bower**, and **Redux** library for dependency management. This made the development process more effective and straightforward and gave me a better grasp of ReactJS and its ecosystem's possibilities.
* Azure Resource Manager (**ARM**), you can deploy, update, or remove each source for your solution in a single, coordinated action.
* Computed **Azure** **DevOps** Services to orchestrate and deploy applications in a containerized environment. We could efficiently produce and deploy applications in a containerized environment utilizing Azure DevOps Services.
* Built and configured Azure infrastructure, including virtual networks, gateways, and storage accounts.
* Deployed Azure Functions for serverless computing allowed us to quickly develop, host, and scale applications in the cloud without worrying about provisioning servers or managing server resources.
* Implemented **Azure** Security Center to protect applications and services from potential threats.
* Creating and configuring Azure App Services allowed us to quickly deploy and manage web and API applications in the cloud.
* Enforced Azure Security Center enabled us to protect applications and services from potential threats. It helped us to identify and mitigate potential vulnerabilities in our applications and services, helping us to protect our organization from malicious actors.
* Enabled set up and configured automated pipelines with **Azure** **DevOps** for continuous integration and delivery. We set up and configured automated pipelines with Azure DevOps for continuous integration and delivery, allowing us to have a streamlined deployment process.
* Developed Node.js applications using **Express JS**, **MongoDB**, and other related technologies. Learned how to use other associated technologies such as webhooks, authentication and authorization, and API calls to create powerful applications.
* Conserved **NodeJS** to create custom web applications with various features and functionalities. This allowed us to take advantage of the robust runtime environment and its asynchronous capabilities, enabling us to develop dynamic applications with faster response times and improved scalability.
* Created **RESTful** APIs in Node.js to enable communication between web applications and other services. Building RESTful APIs in Node.js facilitated communication between web applications and other services.
* Worked on **Docker** Hub, developing Docker images and managing numerous images for middleware deployments and domain settings.
* Generated **CI/CD** pipelines to push all microservices builds to the Docker registry, which was then deployed to **Kubernetes**, where Pods was created and managed through the Kubernetes dashboard.
* Deployed Node.js applications to the cloud platforms such as Azure. We also deployed Node.js applications to cloud platforms such as **Azure**, optimizing them for better performance, scalability, and security.
* Optimized Node.js applications for better performance, scalability, and security. This has enabled us to create more reliable and efficient applications while providing more protection for our users.
* Resolved any issues related to Node.js applications and collaborated with other developers to troubleshoot complex problems.

**Tools and Technologies:** Azure, ReactJS, NPM, Bower, Redux, AWS, Express JS, Mongo DB, Azure DevOps, RESTful, Docker, Kubernetes, Jenkins.

**CLIENT: VBeyond Corporation Dec 2019 - June 2021**

**Location: Hillsborough, NJ**

**ROLE: Software Developer**

**Responsibilities**:

* Developed several webpages using **AngularJS**, **Thymeleaf**, and **JSP** and integrated them with the front end. Using these tools, I could incorporate the front and back ends, giving me a better understanding of creating and managing complex web pages and applications.
* Implemented various **UI** components such as tables, charts, and grids to enhance the user experience. When implementing multiple UI components, such as tables, charts, and grids, I understood how to create a compelling user interface that is both easy to use and visually pleasing.
* Develop, Design, and Release AWS technologies like **AWS ECR**, **Terraform**, an **RDS** server backed by AWS Aurora, and **S3** are used to create highly available, highly scalable web applications.
* Performed on Amazon AWS cloud services like writing Lambda functions to generate data from various sources, S3 to store the data, **SNS**, **SQS**, **RDS**, **IAM** for security, **Cloud Front**, and **Cloud Watch** for error logging.
* Adopted **AJAX** and **JSON** to exchange data between client and server and optimized the UI for better performance and responsiveness. Using AJAX and JSON to exchange data between client and server and optimizing the UI for better performance and responsiveness allowed for improved user experience and faster loading times.
* Improved API endpoints using **Spring MVC** for handling the data and business logic. I learned how to use the Spring MVC framework to create a well-structured application with an efficient data and business logic layer.
* Enacted various controllers, models, and view resolvers for the API endpoints and ensured that the API endpoints were returning the expected data by writing **Unit tests**.
* Mastered a great deal from using these tools, including how to design and develop **RESTful** web services and integrate them with existing databases.
* Configured the API endpoints to be secure with the help of **Spring Security**. I understood the importance of protecting API endpoints, such as preventing unauthorized access and malicious attacks.
* Enabled **CI/CD pipeline** with the help of **Jenkins** and integrated it with the application. Using Jenkins, I learned the basics of setting up a CI/CD pipeline, including creating jobs, configuring source control repositories, creating build triggers, and setting up environment variables.
* Applied **Veracode** scanning tool to identify any security vulnerabilities in the application. By using Veracode, I have better-understood application security and the importance of testing applications for security issues.
* Deployed **App Dynamics** monitoring tool to monitor the performance of the application and generated reports from App Dynamics to identify any performance-related issues. With App Dynamics, I could easily measure the performance of your application in terms of latency, throughput, and errors.

**Tools and Technologies:** AngularJS, Thymeleaf, JSP, UI, AJAX, JSON, AWS, ECR, Terraform, S3, SNS, RDS, IAM, Cloud Front, Spring MVC, Unit test, RESTful, Spring Security, CI/CD pipeline, Jenkins, Veracode, App Dynamics.

**CLIENT: Avestan Technologies May 2017 - Dec 2019**

**Location: Pune, Maharashtra**

**ROLE: Full Stack Developer**

**Responsibilities**:

* Designed and developed a website using **HTML**, **CSS**, **jQuery**, and **Bootstrap** to provide an intuitive user interface. These tools taught me how to create webpages with a well-structured hierarchy and a great user experience.
* Optimized website performance and speed by implementing jQuery functions. Through working with jQuery, I learned how to create interactive webpages and use them to manipulate the **DOM** to create dynamic webpages.
* Developed a responsive web design and ensured cross-browser compatibility with **Bootstrap**. Using Bootstrap, I created a mobile-friendly website that looked great on all devices and was cross-browser compatible.
* Attained how to use the various components of Bootstrap, such as its grid system, navigation bars, and buttons, to create a visually appealing website.
* Created and implemented Spring Services and configured the data access layer using **Hibernate**. By using Spring Services, I could create modular applications that could be easily maintained and extended.
* The services also integrated well with existing technologies, allowing me to quickly create high-quality applications.
* Developed and tested various **RESTful** web services using **Spring MVC**. I learned how to use annotations to define the endpoints of the web services and how to configure the web services to be secure and accessible.
* Designed and upgraded **Oracle database** schemas and data objects to store and retrieve data. Using Oracle's database tools allowed me to access and manipulate data quickly and efficiently. I was also able to use the database to query and retrieve data in various formats.
* Established and implemented a Continuous Integration/Continuous Delivery (CI/CD) pipeline to streamline the software development process.
* Pioneered a **CI/CD pipeline**, I was able to streamline the software development process, making it faster and more efficient.
* Ensured timely resolution of customer issues by tracking and managing the tickets. Through this process, I was able to develop organizational and problem-solving skills and better understand customer service and customer support.
* Trained how to use a **ticketing** system to efficiently manage customer issues, prioritize tasks, and communicate effectively with customers.

**Tools and Technologies:** HTML, CSS, jQuery, Bootstrap, DOM, Hibernate, Spring MVC, RESTful, Oracle database tools, CI/CD pipeline, Ticketing tools.

**CLIENT: Convisor Technology Private Limited Sept 2015 - May 2017**

**Location: Hyderabad, Telangana**

**ROLE: Jr Java Developer**

**Responsibilities**:

* Embraced the advantage of **Bootstrap** responsive design framework to ensure that the websites were mobile-friendly and displayed correctly on different devices. Using Bootstrap's responsive design framework, I could provide that the websites I created were compatible with mobile devices and desktop browsers.
* I have created custom **jQuery** functions to enhance the interactivity and functionality of the websites. By learning how to use jQuery, I made interactive elements such as drop-down menus, sliders, and other dynamic elements that provided users with an improved user experience.
* Worked with **DB2 databases** to design and implement efficient data storage and retrieval solutions. During this process, I developed an understanding of relational database management systems and their capabilities. I also learned how to effectively use DB2 to create, modify, and query data.
* Participated in implementing continuous integration and continuous delivery pipelines to improve the speed and reliability of software deployments.
* Trained to use tools such as **Jenkins**, **Docker**, and **Kubernetes** to automate the deployment process and ensure that the software was up-to-date and running securely.
* Implemented automated deployments with **Docker**-compose for scalable application deployment through container orchestration.
* Drawn on tools such as Jenkins and **Git** to automate the build, testing, and deployment processes. Using Git, I could ensure the codebase was well-documented and identify and troubleshoot any issues that arose quickly.
* Worked with the **Log4j** logging framework to capture and record events and errors within the applications.
* Log4j allowed me to easily monitor application performance, which was especially useful in debugging. I could control the level of detail of log messages by setting the log level.
* Participated in developing a **Unit test** to ensure the quality and reliability of the applications. I learned how to effectively create Unit tests to ensure the code was reliable and high-quality. I could detect and fix bugs before they were released, which helped ensure the applications were robust and reliable.
* Deployed tools such as **Junit** and **TestNG** to automate the testing process and identify issues early in the development cycle.
* Adopted tools such as Junit and TestNG have allowed me to better understand the software development process. I have learned how to write unit and functional tests efficiently and effectively.
* Worked with **Ticketing tools** such as **Zohodesk** to manage and track issues and bugs within the development process.
* Installing a ticketing tool such as Zohodesk enabled me to efficiently manage and track issues and bugs within the development process. This tool provided me with a platform to document, prioritize and assign tasks to the appropriate stakeholders.
* These tools were used to prioritize and assign tasks to team members and track progress toward resolution. Using these tools taught me the importance of effective project management and task tracking.
* I have gained an understanding of the importance of setting clear expectations and the project timeline.

**Tools and Technologies:** Bootstrap, jQuery, DB2 databases, CI/CD pipelines, Jenkins, Docker, Kubernetes, Git, Log4j, Unit test, JUnit and TestNG, Zoho desk.