Ganesh Prabhu
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Full Stack developer

Professional Summary:

- **Around 11 years** of software experience in **Architecture, design, development,** and **deployment** of **web-based Client-Server** business applications using **MEAN, MERN** and J**ava/J2EE technologies**.
- Experience working with different **SDLC** (Software Development Life Cycle) including Requirement gathering, Analysis, Design, Coding, Testing and Implementation like **AGILE (SCRUM), TDD** and **Waterfall Models**.
- Working Knowledge in developing applications using **Java/J2EE** technologies **Hibernate, Servlets, JSP, JSF, AJAX, JDBC, JNDI, GWT JavaBeans, JSTL, Swing, Struts, XML, Web Services**, JMS.
- Experience on Spring Framework – **Spring Core, Spring DAO, Spring IOC, Spring MVC, Spring ORM, Spring AOP, Spring Boot**, **Spring Web flow** and hands on experience in working with **Spring Batch** for monitoring, logging into the application, tracing, application support, transaction and resource management.
- Having good knowledge in front end technologies like **HTML4**, **CSS3, Android, AJAX, JSON, DOM, TypeScript, Bootstrap, XHTML, DHTML, JavaScript**, **jQuery**, **Angular.js, React.js, Backbone.js, D3.js, Node JS, Redux and Tag libraries**.
- Work as part of team to define and implement solutions in alignment with ESPN Advanced Technology GroupÕs roadmap in **Android development**.
- Designed and built advanced game applications for **Android platform**, and collaborated with cross-functional teams to define, design, and launch new features
- Good hands on **Java 8** concepts like **Lambda, Functional Interfaces, Filters** and **Streams.**
- Good command and knowledge in working with core java concepts like **Collection frameworks**, **Interfaces, Synchronization, Serialization, Thread pools**, **JavaBeans**, **Externalization**, **Generics** and **Annotations**.
- Experience in configuration and deployment of multi-tier applications using different web servers like **Apache Tomcat, WebSphere, Apache HTTP Server.**
- Strong working experience on **Amazon Web Services** (**AWS)** platforms **VPC, EC2, ELB, SQ3,** and **EBS, ROUTE 53, DynamoDB CLI** and **SDK's/API tools** and good knowledge on **AWS** tools like **S3, Lambda, Kinesis, Cloud Watch, SQS.**
- Proficiency in analysis, design, development, testing, implementation, and maintenance of applications in Oracle Application Express (APEX) and client/server configurations.
- Instructed teams on best practices around **PCF** and Spring Boot
- Experience in using **Jenkins** for **CI/CD** process and creating **Docker** images and containers.
- Experience in implementing and deploying **Java EE** design patterns such as **MVC, Singleton, Factory, DAO, DTO** and **Business Delegate** in the development of Multi-Tier distributed Enterprise Applications.
- Knowledge in Middleware persistence frameworks like **Hibernate/JPA** Entities for mapping Java classes using **Hibernate Query Language (HQL), HSQL Named Queries, Criteria, Projections.**
- Experience in working with different IDE's like **Eclipse, Rational Application Developer (RAD), NetBeans, IntelliJ, STS (Spring Tool Suite), Visual Studio, Dream Viewer.**
- Experience with project build/test/deployment tools like **Maven** and **Ant.**
- Experience in using code repository tools - **Tortoise SVN, CVS, GitHub**, and **Visual Source Safe**.
- Worked with **Log4j** for logging and used **JUnit** and **Mockito** for unit testing and integration testing.
- Motivated and focused team player with strong problem solving and analytical skills. Generate new ideas and quickly learn new technologies to get the job done.

Technical Skills:

Programming Languages	Java, J2EE, Scala, SQL, PL/SQL, and Python.
Web Technologies	HTML5, CSS3, JavaScript, jQuery, Angular.js (v2/4/5/6/7/8/9), Typescripts, Ajax, Node.js, Express.js, React.js, Backbone.js, Redux, D3.js, JSON, Swagger UI, XML, **Nest Js**
Spring Frameworks	Spring Boot, Spring MVC, AOP, IOC, Spring Security, Spring Batch
Java/J2EE Technologies	Servlets, JSP, JSTL, JDBC, RMI, XML, JSF, Struts2, Swings, AWT, Applets.
Application/web Server	Apache Tomcat, WebSphere
Database	Oracle, DB2, MySQL, Postgre SQL, Mongo DB,Cassandra,Apex
O-R MAPPING	Hibernate, Spring data, JPA
Methodologies	Agile, Scrum, Waterfall Model

Cloud Environments	AWS (Amazon Webservices), Azure, Pivotal Cloud Foundry, Netflix Eureka
Version Control	GIT, CVS, SVN
Web Services	SOAP – WSDL, JAX-WS, RESTful – JAX-RS, Jersey
Reporting Tools	Crystal Reports XI, Jasper Reports, SSRS
Testing Tools	Junit, Jasmine, TestNG, Mockito, Protractor, Jenkins, Selenium, Cucumber, Log 4j
Tools	Kubernetes, Docker, Ansible
IDE & Build Tools	Eclipse, IntelliJ, NetBeans, Toad, SQL Navigator, Ant, Gradle, Maven

Work Experience:
Java developer| Capital one| Mc Lean, Virginia | October 2020 – Present
Description: This project I am working now is having the services that is working with CICD pipelines and retail Jenkins along with the creating API's with the help of Nest JS and Performance test through Apache Jmeter and along work on the AWS services like creating dynamo DB tables along with the health check endpoints
Responsibilities:

- Experienced in involving the technical part while creating the files using the **Nest JS** versions.
- Actively participated in the Analysis, Design and Development, system Testing and User Acceptance Testing.
- Implemented **Java8** features like **Lambda expressions, Streams, filters, pipelines, Optional Interfaces etc.**
- Worked with **HTML, DHTML, CSS, JAVASCRIPT, JSON** in **UI** pages.
- Worked on creation of custom **Docker** container images, tagging, and pushing the images.
- Created detailed **AWS** Security groups which behaved as virtual firewalls that controlled the traffic allowed reaching one or more **AWS EC2** instances.
- Created API's using the **Nest js** and wrote the performance test cases along with the **Apache JMeter**.
- Created the **JSON schema** files for the services that are provided and asked for.
- Creating the UI interface long with **React and Angular Js.**
- **CI/CD** Pipeline creations using the **retail Jenkins** using the Bogie files.
- Relatives worked on the GIT services along with the repository creations and Push, fetch and Pull commands.
- Created **Spring Boot** with Micro Services utilizing **RESTful API**.
- Creation of **Dynamo DB services** on AWS along with the **EC2 features** and **Load Balancers**.
- Worked on **UNIX/Bash** environments across **EC2** servers with **Docker** hosts.
- Handful of experience on **JIRA.**
- Experience in using **React JS** components, Forms, Events, Keys, Router, plus Redux, Animations and Flux concept.
- Worked on **Agile, SCRUM** development methodology and built the application with Test Driven Development (TDD).

Environment: Java 1.8, J2EE, Git, Spring Boot, Hibernate 4.x, Core Java, Rest, Web Services, CSS, Eclipse RCP SASS, WSDL, JIRA 5.x/6.x, JMS, PostgreSQL,Apex, AWS, Spring Cloud, Microservices, 1Spring batch, PCF, Apache JMeter, Kafka, Oozie,jQuery, Angular.js (v8). React.js, JUnit, Docker, Maven, Jenkins.

Sr. Java Full Stack Developer | Creative information technology inc | Falls Church, Virginia | November 2019 – October 2020
Description: Established in 1996, headquartered in Falls Church, Virginia, and this works mostly as a support company for banking and Financial services. Where they get the Data from Mongo Db services and Cassandra to the service on and develop coding with Java 8 and Spring boot services where we create UI interfaces using HTML5 and CSS3 and stored data in cloud using AWS services like EC2 and S3 buckets.
Responsibilities:

- Involved in development and testing of Streamlets module. Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing.
- Followed **agile** methodology in the **Scrum** Cycle model.
- Implemented **Java8** features like **Lambda expressions, Streams, filters, pipelines, Optional Interfaces etc.**
- Used **J2EE** design patterns like **Adapter, Service locator, Session facade, Singleton, Factory and DAO.**
- Developed classes using **Core java/Executor Service (multithreading, concurrency, memory management).**
- Developed **UI** web pages using **HTML5, CSS3** and **jQuery** to display the data on the client side.
- Created the **Angular JS** application using **Grunt** and **Bower** and used **Angular UI** for component model.
- Working on development of ecommerce platform for multi tenants built in **Java (Spring Boot)**, **Angular.js** and **React.js.**

- Good Experience in **React.js** for creating interactive UI's using One-way data flow, Virtual DOM, JSX, React Native concepts.
- Formulated SQL queries, functions, and processes as per customization requirement for **APEX** using 4.0.
- Contributed with database designs and assisted in increasing response time for **APEX** reports.
- Involved in developing **UI** pages using **Angular.js** and calling the **Rest API's** from backend.
- Used a **MicroServices** with **Spring Boot**-based services interacting through a combination of **REST** and **Rabbit MQ** or **Apache Kafka message brokers**.
- Developed **Restful Web services** for other systems to interact with our system and secured the service with **Spring- Security Oauth-2.0.** Added **WS-Security** using **XWSS** to secure the **Web services**.
- Implemented the associated business modules integration using **spring** and **Hibernate** data mapping.
- Utilized **Spring core, AOP** and **security** to build robust business operations with transactional support.
- Implemented **Spring Cloud Config Server, Routing** and **Filtering** to **Microservices** using **Netflix Zuul.**
- Developed **spring boot** applications for **REST** services and deployed in **Pivotal Cloud Foundry (PCF).**
- Extensively used **Spring Batch** which uses **Spring IOC** dependencies, this is useful for developing batch processing.
- Created distributed Oracle **coherence** domains configuration and system design based on oracle **coherence**.
- Developed Dashboard to monitor and report Cache **Coherence** Servers.
- Developed unit and integration tests for existing **Microservices** using **Junit, Mockito** and **Docker** environments.
- Built an Application and deployed **Micro services** in the **AWS Cloud** using **Docker** containers.
- Writing **Java API** for **Amazon Lambda** to manage some of the **AWS** services.
- Developed **API** for using **AWS** Lambda to manage the servers and run the code in the **AWS.**
- Worked on creating the **Docker** containers and Docker consoles for managing the application life cycle.
- Wrote **SQL** queries using **PL/SQL**, stored procedures, and enhanced performance by running explain plans.

Environment: Java 1.8, J2EE, Git, Spring Boot, Hibernate 4.x, Core Java, Rest, Web Services, CSS, Eclipse RCP SASS, WSDL, JIRA 5.x/6.x, JMS, PostgreSQL,Apex, AWS, Spring Cloud, Microservices, 1Spring batch, PCF, Apache JMeter, Kafka, Oozie,jQuery, Angular.js (v8). React.js, JUnit, Docker, Maven, Jenkins.

Java Full Stack Developer | Bank of America| Irving, TX | **March 2017 – May 2018**
Description: Edward D. Jones doing business as Edward Jones, offers securities brokerage and investment advisory services. The Company provides wealth management, retirement planning, financial consulting, and portfolio analysis services. Edward Jones provides services in the United States and Canada.

Responsibilities:
- Code Development, which includes GUI level coding, Business logic level coding.
- Established a **JSON** contract to make a communication between the **JS** pages and **Java classes.**
- Developed Application based on J2EE using **Hibernate, spring, JSF frameworks** and **SOAP/REST** web services, Web Sphere Integration Developer (WID) Tool to develop **WPS** components.
- Installed and configured **Docker** for creating virtual environments.
- Applied the company build pipeline using **Jenkins, AWS, and Docker.**
- Good knowledge on Database Connectivity Programming Using **JDBC** and **Hibernate.**
- Developed Interactive GUI screens using **HTML** and **JSP** and data validation using **Java Script.**
- Developed **UI** using **JSP** and **AJAX** Call in **JSP** pages, business implementation in Servlets and Struts action class.
- Built an Application and deployed **Micro services** in the **AWS Cloud** using **Docker** containers.
- Developed the application as a **Spring Boot App**. Widely used beans concept of Spring to create and use objects of a class
- Developed **Python scripts** to automate the deployments to the WebSphere application server.
- Created **Spring MVC** components like Dispatch servlets, configure Request mapping annotation controllers, view resolver components.
- Used **Spring Beans** to encapsulate business logic and Implemented Application **MVC Architecture** using **Spring MVC framework.**
- Implemented business layer using **Core java, Spring Beans** using **dependency injection, Collections Multithreading, spring annotations, and Spring MVC components.**
- Involved in writing **Spring** Configuration **XML file** that contains object declarations and dependencies.
- Created User Controls and simple animations using **Java Script** and **Python.**

- Used **Angular.js** as a **JavaScript** library to bind data on html elements and integrated with **REST** based services returning **JSON data.**
- Extensively used **Spring core** by configuring and using **Spring Beans Filters, servlets,** and server-side programming. Used **ProstgresSQL** database for data persistence.
- Worked on **JAX-WS, JAXB Web Services** using SOAP and **JAX-RS, Jersey for Restful.**
- Integrated **Automation scripts** (Selenium Web Driver API) on Continuous Integration tools **Jenkins** for nightly batch run of the **Script** and Created Project plan on **Jenkins,** configured scheduled using **Cron job.**
- Created standards and patterns for deploying a **spring boot** data **micro-service architecture** to PCF
- Performed unit testing using **JUNIT framework** and used **Struts Test Cases** for testing Action Classes.
- Used **Maven** as the build tool for the application.
- Extensively used **Log4J** for logging. Worked on **UNIX Shell Scripting** tasks.
- Implemented the logging framework in the **SOA** environment.

Environment: Java, J2EE, Spring, Spring MVC, Spring Boot, JVM, Hibernate, JSON, JAX-WS, JAXB, Web Services, MySQL, JSF, Angular.js (v2/4), SOAP, Rest, log4j, JUnit, JMS, JAXB, XML, Ajax, JQuery8, JavaScript8, Maven, Unix, Shell, Rest, Jenkins.

Java Developer | Bed Bath & Beyond (BBB) | Union, NJ| **December 2015 – February 2017**
Description: Bed Bath & Beyond Inc. operates a nationwide chain of retail stores. The Company, through its retail stores, sells a wide assortment of merchandise principally including domestic merchandise and home furnishings, as well as food, giftware, health and beauty care items, and infant and toddler merchandise.

Responsibilities:
- Worked on **Agile** methodology including team-based design and code reviews.
- Actively involved in Requirement Analysis, designing, development and testing of the entire application.
- Developed the web interface using **HTML5, CSS3, JavaScript, jQuery, AngularJS**, and **Bootstrap**.
- Enhance and modify the presentation layer and **GUI** framework that are written using **JSP** and client-side validations done using **JavaScript**.
- Implemented **Spring MVC** controllers, configured using Spring **MVC** annotations and configuration files.
- Implemented spring framework Bean Factory & Application Context for bean initialization and configurations.
- Spring **AOP** is used for logging, auditing, and security and transaction management to distinguish business logic from the crosscutting concerns.
- Implemented the back-end functionality of the modules using **Singleton** and **Session Facade** design patterns.
- Used **Hibernate** as an **ORM** tool to interact with the database.
- Involved in development of **POJO** classes and writing **Hibernate query language (HQL)** queries.
- Asynchronous messaging is done using **JMS** and created Queue for point to point messaging.
- Developed **REST** web services using **Spring MVC** to extract client related data from database and used **SOAP UI** for testing these **RESTFUL API** web services.
- Implemented Service Oriented Architecture by developing and consuming **RESTFUL** services based on **JAX-RS**.
- Implemented Java Classes to use **JAXP** parser to create Java objects, able to modify the data received in the response.
- Worked with **DB2** and Wrote **SQL** Queries, stored Procedures, triggers, and integrated **SQL** Queries into **DAO**.
- Deployed the application on **Apache Tomcat** Application Server.
- Used **Log4j** logging mechanism for logging.
- Used **SVN** for versioning and concurrent access to the project files.
- Resolving spring framework artifacts and code build & deployment with **Maven**.
- Used **JIRA** for defect and issue tracking and Used **Jenkins** for continuous integration/continuous deployment.
- Automated regression test cases using **Selenium**.

Environment: Java 6, J2EE, Spring MVC 3.0, Hibernate 3.0, HTML, CSS, JavaScript, Angular.js (v2), JMS, SOAP, Maven, Jenkins, DB2, Selenium, Log4j, SVN, JIRA, Tomcat 6.0.

Java Developer I HP India Pvt ltd I India   **April 2014 – November 2015**

Description: Hewlett Packard (HP) Enterprise Company provides information technology solutions. The Company offers enterprise security, analytics and data management, applications development and testing, data center care, cloud consulting, and business process services. Hewlett Packard Enterprise serves customers worldwide.

Responsibilities:
- Analysis and Design of various modules using **J2EE Architecture**.
- Involved in implementation of Information system development methodology ISDM for designing, analysing for the developing systems.
- Written **Hibernate** annotation-based mapping **Java classes** with **Oracle Database tables.**
- Used Session facade. Implemented **JMS API** for messaging.
- Developed webservices **SOAP, WSDL** and webservices clients using **JAXB** and **XML**, implemented **SOA** architecture.
- Involved in High-Level Design and prepared Logical view of the Application.
- Involved in designing and developing of Object-Oriented methodologies using **UML** and created Use Case, Class, Sequence diagrams.
- Written **Spring Core** and **Spring MVC** files to associate DAO with Business Layer.
- Created **Data Source** and deployed the web application in the **IBM WebSphere Application Server.**
- Implemented **JSF** in Presentation layer programming using **JSTL, AJAX, GWT** Development.
- Created controller Servlets for handling HTTP requests from **JSP pages.**
- Writing JavaScript functions for various validation purposes.
- Writing **JavaBeans** to contain data objects, Implemented session beans, entity beans, and message-driven beans.
- Used Version Control Tool to perform Checking-out and Checking-in of codes from the repository.
- Used **EJB Query** Language to retrieve data from **Hypersonic SQL.**
- Developed web services in Java and Experienced with **SOAP.**
- Developed and maintained **Ant Scripts** for the build purposes for testing and production environments.

Environment: Java, EJB2.0, Struts, Hibernate, JSP, JSF, Servlets, Webservices, XML, XSLT, XSL, JavaScript, Ant, JBoss, HSQL, Net Beans, Oracle 9i, SQL, PL/SQL, Windows 2000/ XP, Enterprise Architect.

Education: G. Narayanamma Institute of technology -- Bachelor's in Information Technology