Harish Pendyala

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Summary:

- A passionate Software Developer having 3 years success devising innovative and tailored solutions.
- Expert in developing applications using **Java/J2EE, Spring, Spring Boot, Android**, COBOL, JCL, **JSP, Servlets**.
- Experience in developing User Interface(UI) using **HTML5**, **CSS3**, **JavaScript, ReactJS, jQuery, Angular 2** and consuming **RESTful API**.
- Well-versed with the entire Software Development Life Cycle using various methodologies like **Waterfall, Agile-Scrum**.
- Hands on experience with version control tools like **Git, SVN**, and build tools like **Maven, Gradle**
- Expertise in AWS Cloud technologies like **EMR, EC2, S3**.
- Ability to manage multiple projects while meeting challenging deadlines.

Education:

Master of Science in Computer Science, University of North Carolina at Charlotte, Charlotte, NC   **Dec 2017 |GPA: 4.0/4.0**

Technical Skills:

Programming	: Java, J2EE, Android, COBOL, JCL, JSP, Servlets, JavaScript, Python
Web Technologies	: RESTful API, ReactJS, Angular 2, jQuery, HTML5, CSS3, JSON, XML, PHP
Databases	: MySQL, SQL, SQLite, Firebase
Version Control	: Git, SVN
Frameworks	: Spring, Hibernate, JPA, MapReduce, Hadoop, Spark
Tools	: Eclipse, Android Studio, EC2, EMR, S3, MySQL Workbench, Tomcat, XAMPP

Professional Experience:

Software Engineer Intern, Shutterfly, Phoenix, AZ   **May 2017 – Aug 2017**
Centralized Logging Application

- Developed a web application for displaying Log Files from a remote server.
- Involved in development of web layer (controllers) using **Spring MVC** along with **ReactJS** for front end.
- Handled the UI of the application using ReactJS. Wrote small components and effectively managed routes to handle user events and bind the data.
- Used **JSX** to make react look more elegant.
- Used **react-router** module to develop Single Page Application.
- Implemented mapStateToProps, mapDispatchToProps for the interaction between **Redux** and React.
- Used Redux to manage the whole state. Developed the well-designed store, actions and reducers.
- Used **Webpack** as the Module builder.

Environment: Java, Spring, ReactJS, Webpack, RESTful API, Git, MySQL.

Software Developer, Infosys Limited, Bangalore, India.   **May 2014 – Jul 2016**

Developed, maintained, and upgraded financial-industry software with **Java, Mainframes and Web technologies**. Coordinated design and implementation of applications, collaborated with team members, and client representatives to ensure on-time completion of project deliverables.

Creation of New Certificate Products   **May 2014 – Aug 2015**

- The goal of the project was to develop the Step-Up Rate and Stock Market Certificate products for Ameriprise Financial, Inc.
- Worked on the entire **SDLC(Waterfall)** including Requirements gathering, designing the application and then implementing the design.
- Designed and developed Front-end using **JSP, JavaScript**.
- Implemented "Model View Controller (**MVC**)" architecture to obtain "Layered Architecture" to isolate each layer of the application to avoid the complexity of integration and customization.
- Used **JSP** for developing Dynamic Web Pages.
- Developed **Rate Entry** process through which client will modify the 'interest rates'.
- **Improved the performance** by eliminating the cost of re-compiling 100's of programs.
- Received "**Certificate of Appreciation**" from the Director of Digital Technologies, Ameriprise Financial, Inc.

Environment: Java, JSP, Servlets, COBOL, JCL, MySQL, MySQL Workbench, HTML5, CSS3, JavaScript and jQuery.

Check Re-Design   **Aug 2015 – Jul 2016**

- The objective of the project was to re-design the Check generation process for Ameriprise Financial, Inc.
- Migrated the Check generation modules from Mainframes to Java Environment.
- Involved in Analysis, Design, Development, and Testing of the application in an **Agile Environment(Scrum)**.
- Used **Spring MVC** framework to implement the **MVC design pattern**.
- Used **Spring framework, Spring-ORM, Spring-JDBC modules**.
- Implemented persistence layer using Hibernate ORM (Spring + JPA integration)
- Developed the **REST web service** using **Spring IOC** to provide the user a way to run the job and generate the daily status report on checks.
- Effective migration resulted in more than **50% of cost optimization**.
- **Lead the team** of 4 to develop the project.

Environment: Java, Spring Boot, Hibernate, JPA, COBOL, JCL, and RESTful API

Academic Projects:

Car Tracker System   **Jan 2017 - May 2017**

- The goal of the project was to develop the Car Tracker application.
- Designed the system based on **Spring MVC** Model architecture. Developed a business logic layer using Spring Framework and integrated Hibernate.
- Used spring Object-relational mapping (ORM) and hibernate for persistence in the database, created DAO's. Implemented ORM Hibernate framework, for interacting with Data Base.
- Developed build Scripts using **Maven** to build and deploy the application.
- Designed and developed various stored procedures, functions, and triggers in **PL/SQL** to implement complex business rules. Worked with **MySQL Work Bench**.
- Handled the UI of the application using **ReactJS**. Wrote small components and effectively managed routes to handle user events and bind the data.
- Used **JSX** to make react look more elegant. Used **react-router** module to develop Single Page Application.
- Used **Git** to implement version control System

Environment: Java, Spring, ReactJS, Hibernate, JPA, HTML5, CSS3, JavaScript, RESTful API, Git, MySQL Workbench

Book Recommender System   **Jan 2017 - May 2017**

- The goal of this project was to develop a Book Recommender System using **MapReduce in PySpark**.
- Implemented Item - Item based recommender system using cosine similarities algorithm.
- Implemented User - User based collaborative recommender system.
- Generated predictions for missing items by Computing item-item similarity using weighted sum.
- Fetched top-K of the generated ratings and recommended to the user.
- Implemented the Alternating Least Squares algorithm to predict the recommendations for the user.
- Developed a simple UI to display the results using **HTML5, CSS3, JavaScript**.
- Deployed the application in AWS Cloud and executed using **EMR, EC2, and S3**.

Environment: Python, MapReduce, Hadoop**,** Spark, EC2, EMR, S3, JavaScript, HTML5, CSS3

Automated Customer Visit Management for Bank using Beacons   **Aug 2016 - Dec 2016**

- The goal of the project was to develop the application which replaces the manual token system in the banks.
- Involved in Analysis, design, and development of application based on **MVC and Java Technologies**.
- Involved in writing SQL Queries for Database CRUD Operations and verified the Data with the Production, Acceptance, and Integration.
- Designed and developed Customer & Admin registration and login screens using **JSP, HTML, CSS, and JavaScript**.
- Performed GET, POST requests for fetching response from backend **REST API**.
- Developed various screens for the front end.
- Designed and developed a mobile application for the customer using **Android**.
- Used **Beacons** to locate the customer from the bank; *obtained more accurate location than Google Maps*

Environment: Java, Android, Beacons, MySQL, JDBC, HTML5, CSS3, JavaScript, JSP, Tomcat

Certifications:

- Infosys Certified Java Programmer   **Oct 2015**