SHILPA HEMARAJ

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WORK EXPERIENCE

Software Engineer ■ PayPal, San Jose, CA / Avco Consulting   **August 2014-Present**

[Java, RxJava, Spring boot, Spring AOP, REST, OAuth 2.0, JMS]

- Designed and implemented API to enable bulk migration of customers from different payment providers to PayPal payment system.
- Built an orchestration API to enhance and simplify partner experience.
- Enforced application security and authentication using OAuth 2.0.
- Implemented partner change notification webhook. Maintained code coverage standards using JUnit and SonarCube, along with Jenkins pipelines to run integration tests build on Testng.
- Worked with Data Analysts to filter the data ingested into Elasticsearch and reported using Kibana.

Software Engineer ■ State of Michigan, Lansing, MI / Avco Consulting   **July 2014-June 2018**

[Java, Struts 1.3, Spring MVC, Javascript, JQuery, Hibernate, SQL]

- Involved in the development of system to register foster children, move to safe, stable permanent homes, provide them with medical services, and prepare youths who age out of foster care.
- Architect the migration of Provider Management module to articulation the system and collect data based on service provided. Resulted in easier and better user experience.
- Implemented the feature to support same sex foster parents in MiSACWIS system.
- Built an SQL Query generator using Spring Framework to generate insertion SQL script for reference data. This reduced the effort of writing queries manually, 100% reduction in user errors and rework.
- Implemented secured system to collect and maintain legal and court data of foster parents.

PERSONAL PROJECTS

- Built portfolio using ReactJS.
  - Developed Single Page Applications (SPA) using JavaScript MVC framework such as React JS.
  - Used React concepts like JSX (JavaScript Syntax Extension), components, state and props.
  - Utilized React-Router to create Dynamic Routing.
  - Used React MDL to animate elements, colors and layout principles. (https://github.com/shilpahemaraj/myportfolio-reactjs).
- Implemented blogging application using AWS AppSync and GraphQL.
  - Developed a production-ready serverless backend API powered by AWS AppSync and GraphQL that can scale to MILLIONS of requests.
  - Deployed a fully functional blogging application using the AWS Amplify framework.
  - Multi-Factor Authentication and Verification Codes using AWS Cognito. (https://github.com/shilpahemaraj/amplifyreactgraphqlblogapp)

HONORS, CERTIFICATIONS AND COURSES

- 1st Place in Partner Organization level Hackathon in PayPal.
- Recognition from DTMB, State of Michigan.
- Scrum certificate from International Scrum Institute.
- Mentored 7th Annual Opportunity Hack in San Jose.

EDUCATION

M.S. Computer Engineering, University of Massachusetts, Lowell, USA	**(GPA 3.40)**	**May 2014**
B.E Electronics and Communication, VTU, Karnataka, India	**(GPA 3.00)**	**May 2011**