PAULOMI MAHIDHARIA

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WORK EXPERIENCE

AHOLD DELHAIZE USA   Quincy, MA
Software Engineer   Mar 2017 to Current
• Back-end Engineer and Java enthusiast responsible for the development, deployment and support of **customer-facing web and mobile apps** for Stop&Shop, Giant Landover, Giant Carlisle, Martin's, Peapod and other Ahold Delhaize USA operating companies in an **Agile** setup.
• Developing applications exposing **REST APIs** for web and mobile using **Java/J2EE**, **Spring 3**, **Spring Boot 2** and **OAuth 2** authorization framework.
• Actively designing and developing modular **web services** using **Enterprise Integration** framework like **Apache Camel** with Java DSL, message broker like **Apache ActiveMQ**, **SOA** focused **Enterprise Service Bus** (Apache ServiceMix) based on **OSGi**, and **Oracle ATG** Web Commerce platform.
• Responsible for production support that includes request and logs monitoring using **Splunk**, troubleshooting real-time issues, and system and network performance monitoring using **Icinga**.
• Developed **microservices** for interactions with third-parties like Coupons.com, Fuel-Aplus-Starbucks Rewards, MDM, NCR Copient, Yext, Loyalty program, etc.
• Replaced third-party support software tools by an **AngularJS - Spring Boot web app** for Consumer Affairs to provide all-in-one account support for customers.
• Effectuated **BDD Serenity** to enforce **automated web tests** and configured **Bamboo** plans to run scheduled Serenity and SonarQube jobs.

Sr. Full Stack Developer Co-op   Quincy, MA
                                                                                                                   Jun 2016 to Dec 2016
• Designed and developed a **web app** using **AngularJS**, **Grunt**, **Spring**, **Hibernate**, **JBoss**, **Oracle 11g**, etc. for Giant-Landover's pharmacy department to list openings and handle registrations for in-store events.
• Implemented a **Kiosk-based hybrid app** using **AngularJS**, **Ionic**, **Apache Cordova**, etc. to process Stop&Shop's online orders for bakery, deli and meat departments.
• Architected **data-driven front-end** and **web-services** to add/update/remove seasonal products and departments without code change or deployment.
• Migrated several native iOS apps written in Objective-C to hybrid using **React Native** and **Redux** to provide **multi-platform support** for iOS and Android.
• Implemented **dynamic question-polling algorithm** for Stop&Shop checkout survey/rating app, exposed on iPod touch devices placed near checkout lines.
• Developed a **responsive**, **mobile-first web app** using **ReactJS** and **Redux** to create, update and track e-tickets reporting technical requests or issues.
• Contributed to Stop&Shop's **ScanIt App's REST web services** development.

BULLION FLEXIPACK PVT. LTD.   Vadodara, GJ, India
Software Engineering Intern   Jun 2014 to May 2015
• Performed **requirement gathering** for the industrial-manufacturing domain, architected and developed a collaborated **Web** and **Android app** using **C#.NET**, **Html**, **Bootstrap**, **JavaScript, CSS** and **SQL** to provide **smart solutions for daily office tasks** with minimum human intervention on a single pane of glass.
• Effectuated easy recording, processing, presenting, and managing of data and visual reports by replacing paper-based work, across eight departments, by a **customized ERP (Enterprise Resource Planning)** solution with **production speed increased up to 40%**.

SKILLS

FRONTEND DEVELOPMENT: HTML, CSS, SASS, jQuery, JavaScript, AngularJS, Ionic, ReactJS, Redux, React Native, JSF, JavaFX, AJAX, Backbone.js, Android, Grunt
BACKEND DEVELOPMENT: Java, Spring, Spring MVC, Spring Boot, Hibernate, Apache Camel, Java DSL, Apache Karaf, OSGi, Oracle ATG, JSP, Apache ActiveMQ, Apache ServiceMix, REST, SOAP, Splunk, Apache Hadoop, Apache Spark, MapReduce, Scala, Racket, C#.NET
CODE QUALITY/INTEGRATION: SonarQube, TDD, BDD Serenity, JUnit, Mockito, Selenium, Maven, Gradle, Jenkins, Bamboo, Fastlane
DATABASES: MS SQL Server, MySQL, Oracle 11g, MongoDB, PostgreSQL
SERVER/CLOUD PLATFORMS: NodeJS+ExpressJS, JBoss, Tomcat, AWS (S3, EC2, RDS, Beanstalk), Heroku
PROJECT MANAGEMENT/VC: JIRA, Confluence, Git, GitFlow, Stash
DATA ANALYTICS/VISUALIZATION: ElasticsSearch, Kibana, D3.js, FusionCharts
INTERESTS: Traveling, writing, reading, painting, cooking

EDUCATION

Northeastern University, Boston, MA
Master of Science Computer Science 2017

Gujarat Technological University, Ahmedabad, GJ, India
Bachelor of Engineering Computer Engineering 2015

PROJECTS

BIRD SPECIES SIGHTING PREDICTOR USING SPARK ML
Trained a **Random Forest Classifier** on a **20 GB dataset** with **100+ attributes** to predict sightings of bird species. Used **Spark ML pipelines** with **AWS EMR** to generate, test and tune the model to obtain **35% speed-up**.

WEB CRAWLER AND VERTICAL SEARCH
Implemented a **web crawler** to crawl Internet documents in order to construct a document collection for a particular topic. **Pooled** and **indexed** the documents using **Elastic Search** and **Kibana**. Developed a **vertical search engine** using **AngularJS**. Obtained **97% search accuracy**.

AUTHOR RETRIEVAL SYSTEM
Translated **DBLP dataset** to a **MySQL** schema. Designed a system to **retrieve top authors for publication committees** based on several parameters such as expertise, publications, location, years of contribution, universities, etc.

NOTESPACE
Developed **widget-based** note taking & sharing web app using **MEAN (MongoDB, ExpressJS, AngularJS, Node.js)** stack.