

PAULOMI MAHIDHARIA

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WORK EXPERIENCE

EVERBRIDGE

Software Engineer

Burlington, MA

Mar 2018 to Current

- Designing, developing and supporting **web and mobile applications** for the **IT Alerting** product suite using **Java, Spring, React, REST, AWS, MongoDB/PostgreSQL** and **PostGIS**.
- Developing and supporting **software solutions** for Everbridge's **core SaaS-based communication platform**.
- Implementing POCs to perform **analytics** over **complex clustered datasets** using **Java, Elasticsearch, Apache Spark, Scala, Machine Learning**, etc.
- Contributing to key agile team activities like **CI/CD, documentation, QA automation** & other **DevOps** tasks.
- Working collaboratively with product management, QA, technical operations, and related team leads to **ensure the timely completion of projects** in an **Agile** setup.

RETAIL BUSINESS SERVICES (AN AHOLD DELHAIZE CO.)

Software Engineer

Quincy, MA

Mar 2017 to Feb 2017

- Led a team of three 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.
- Developed applications exposing **REST APIs** for web and mobile using **Java/J2EE, Spring 3, Spring Boot 2** and **OAuth 2** authorization framework.
- Designed and implemented 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.
- Participated in production support to troubleshoot real-time issues by monitoring logs using **Splunk** and performance of servers and network 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.

AHOLD USA

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** for Giant's pharmacy department to list store events and handle registrations.
- 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.

Software Engineering Intern

Vadodara, GJ, India

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: Elasticsearch, Kibana, D3.js, FusionCharts

INTERESTS: Traveling, writing, reading, painting, cooking

EDUCATION

Northeastern University, Boston, MA

Master of Science - Computer Science, GPA 3.79/4.00, 2017

Gujarat Technological University, Ahmedabad, GJ, India

Bachelor of Engineering - Computer Engineering, GPA 8.43/10.00, 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.