**SRI HARSHA PERICHERLA**

**(Portfolio :** <https://harsha-portfolio.herokuapp.com/> - Open in Google Chrome**)**

Mobile: **+1548-333-2133** E-mail: **harsha.pericherla@gmail.com**

**Address:** 81 WestMeadow Drive, Kitchener, ON N2N 3N1.

( willing to re-locate for the job, have G-license for travel )

PROFESSIONAL EXPERIENCE

**Bracket Global ( Full - Time) 05/2017 – 04/2019**

(https://signanthealth.com)

**Role : Full Stack Developer**

**Responsibilities:**

**Involvement in WMS (WareHouse Management Systems)**

* Responsible for knowledge transfer of the domain to new grad developers.
* Collaborated with the team leads and divided the business functionality to front end and back end.
* Separated the UI logic into different react components and implemented the front end business validations on thorough discussions with the clients
* Implemented custom functionality according to the company needs by modifying the core bootstrap table library.
* Re Implemented the GS1 decoding algorithm for scanning the bar codes.

**Development of Custom Class Loaders:**

* Researched about the class loading functionality in servers like tomcat, weblogic, websphere and explained the process to upper management through presentation.
* Written class loaders in java to load the .class files dynamically in order to connect with the interfaces used by the company.

**Development of Performance Tool:**

* Did proof of concept on developing a performance tool which records the application metrics and writes it to a html file. This eventually got accepted by the company and it mitigated the costs of owning a third party metrics tool.
* Used JAmon tool for the capture of metrics in the code and Multi Threading concept is used to calculate the metrics of the app when requested by multiple servers.

**Development of custom automation software using Apache POI:**

* Developed core java application using object oriented best practices which automated the data fetching from the database by executing SQL queries, created new excel sheet with the fetched data, and compared the excel sheet data with that of the production and printed out the duplicate rows.
* The development of this application reduced the QA efforts in manually comparing the data and saved the company lot of time resources.

**Involvement in Planning manufacturing and distribution application ( PMD ) :**

* Responsible for maintaining, fixing bugs and implementing new functionality for the company’s main Enterprise application.
* Fixed bugs concering with session replication when the application got deployed in load balancing servers.
* Written complex SQL queries and used concepts like global temporary tables to increase the performance of the application while retrieving the data.

**Bracket Global ( Internship )** **12/2016 – 05/2017** **Role: Java Trainee**

**Responsibilities:**

* Learned to commit, tag and deploy the code in the version control system.
* Used job tasking tool JIRA to view the tickets and close the tickets after fixing them.
* Modified JSP’s and converted the tables from standard JSP scriptlet code w2ui which is a JavaScript library to increase the overall performance in the frontend
* Extensively used JQuery to modify the document object model.

EDUCATION

**Post Grad Web Design and Development**  **04/2019 - Present**

**College:** Conestoga College

GPA: 4.0

**Bachelor of Technology in Computer Science Engineering 06/2012 – 05/2016**

**University:** Institute of Aeronautical Engineering, Dundigal, Telangana, India

**GPA:** 3.5

TECHNICAL SKILLS

**Front-end**: JSP, React, Redux, JQuery, JavaScript, Html, CSS, BootStrap, Angular 8

**Back-end:** Spring MVC, Hibernate, Java, NodeJs, Express.js

**Web-Server:** Weblogic, Tomcat, WebSphere, NgInx

**Database:** Sql Server, MongoDB

**Build Tool:** Maven, Npm

**Source Version Tool:** Git, CVS

**Deployment:** Docker, Travis

**GitHub Profile:** <https://github.com/harshapericherla>

SIDE-PROJECTS

**Continuous integration and Deployment (Docker, Travis, AWS) :**

* Developed a multi docker container application and deployed it to Amazon Elastic BeanStalk multi container envinorment.
* Used TravisCI as the continous Integration pipeline, which pulled the code from git , automatically ran test cases, pushed the dockerimages to docker hub and deployed the build to AWS.
* Made use of docker compose to run multiple containers at once, and used load balancing server nginx to propagate the requests to different containers.
* Configured the AWS EBS envinorment to make use of external services like RDS, Elastic Cache, made use of security groups to allow communication between different services and also created users using IAM

Application Info:

* Source Code <https://github.com/harshapericherla/multi-docker>

**Chat Application (Socket-io):**

* Developed a chat application using the concepts of socket-io in angular 8.
* Used a javascript library called Moment.js to get the timezone of the client’s side browser being used, so that the messages can be displayed according to the user’s timezone
* Used rxjs operators like Observables, flatMap, and map and httpModule to make the requests in the backend.

Application Info:

* Live demo of the application <https://harsha-chatme.herokuapp.com/>
* Source Code <https://github.com/harshapericherla/chatMe>
* LogIn with different credentials in different browsers to test out the functionaliy.

**Email Application (SendGrid, Oauth, POS):**

* Developed a multi purpose email applciation, where the user can login with google oAuth, buy credits and send emails to multiple people at once using those credits.
* oAuth was achieved by using Passport.js library in the node envirnorment, Point of Sales was achieved by integration of Stripe Api and SendGrid was used to send emails to multiple people at once.
* Used concepts like reducers, actions, Provider as react-redux was used as the state management tool.

Application Info:

* Live demo of the application <https://guarded-falls-55947.herokuapp.com/>
* Source Code <https://github.com/harshapericherla/emaily-server>

**Labs Application (Laravel,php):**

* Developed labs application where the user can view all the labs in the google maps.
* Used JWT authentication to authenticate the users.
* Used concepts of laravel like migrations, seeding, factories and middlewares. Integrated third party API to load the excel sheet data containing labs.

Application Info:

Video demo of the application

* <https://drive.google.com/file/d/13H-bn8WKkKaRpvyYFG43moUDmbhTRNr7/view>
* Source Code <https://github.com/harshapericherla/labs>

**Ecommerce Application (Android, Firebase):**

* Developed an ecommerce android application, and integrated firebase google Oauth and Stripe for the point of sales
* Used firestore for the data retrieval and persistence. Callbacks functionality were achieved by the usage of interfaces in Java.
* Used concepts of Android like GridLayoutManger, RecyclerView inorder to display the content.

Application Info:

Video demo of the application

* <https://drive.google.com/file/d/1Mrr9DV8j4or2E9X8YJO_IXUMiqOJ42Vl/view>
* Source Code <https://github.com/harshapericherla/Ecommerce-Android>

**Data Visualization (d3.js, React):**

* Developed a visualization application to represent employment rate in Canada using a javascript library called d3.js
* Used concepts of d3 like scaleOrdinal, nest, domain, range to represent the data of different provinces in Canada.
* GeoJSON data was used to draw the map of Canada and it’s different provinces.

Application Info:

* Live demo of the application <https://harsha-visual.herokuapp.com/>
* Source Code <https://github.com/harshapericherla/data-visual>

**Appointment Scheduling (JavaScript, Materialize):**

* Developed a doctor appointment scheduling application using plain javascript.
* Used concepts in javscript like functions, constructors, callback functions, lexical scoping, prototypes.
* Used materialize.css for the design of the application

Application Info:

* Live demo of the application

<https://harsha-portfolio.herokuapp.com/projects/doctor_appointment>

**Designs :**

* The following applications are designed soley using HTML, CSS3, javascript and Jquery
* Used concepts like Grid, Flex, postioning, transistions, media queries in CSS3.

Application Info:

* <https://harsha-portfolio.herokuapp.com/projects/food_delivery/home>
* <https://bereno.herokuapp.com/index.html>

ACHIEVEMENTS

Sport Award was given by bracket global for my leadership, involvement and development effort in the project WMS