Nagoor Saheb Shaik

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https://github.com/NagoorSaheb

Education

Houston, TX **University of Houston Main Campus** **May'17**

- Master of Science, Computers and Systems Engineering, GPA: 3.5/4

Technical Skills

Programming Languages	: JAVA/J2EE, Java Script, TypeScript, C#
Java script Frameworks	: node.js (Express), React.js, AngularJS
Front End Technologies	: HTML5, CSS (Bootstrap, CSS Grid, W3.CSS), JQuery, AJAX
Web Services	: REST Api, RESTful Web Services, JSON, XML
Relational & No SQL DB	: SQL Server, Mongo DB (mongoose), Oracle DB2 (10g,11g), MS Access
Frameworks	: Spring MVC, JSP Servlets, JavaBeans(EJB), SOA, SOAP, Agile, .Net MVC5, ApacheTomcat
Editors	: Eclipse, Atom.io, Sublime Text
Build Tools	: Gulp, Grunt, Bower (npm), Web pack
Version Control	: SVN, GitHub, Content Management System (CMS)
Testing Frameworks	: Jasmine, Karma, Junit, Postman (REST Api)
Deployment Tools	: GIT Bash, windows CMD, FTP (hostgator), FlightPlan
Operating Systems	: Microsoft Windows, Linux
Other Tools	: MATLAB, MS Visio 2013, Office'13 Tools, JDEdwards, Buy Speed, SharePoint 2013

Employment

Application Developer **Testing Services at University of Houston** **Oct'16 – May'17**

- Developed a New Responsive Website for Testing Services, restructuring the code from .Net 3 to .Net 5 implementing Html 5 and CSS 3 with test driven development in Entity Framework with SQL Server data base
- Developed applications and batch processes for automatic update of database in C# .NET 5 in visual developer
- Developed RESTful micro services in Java for university inter department data communication.
- Developed Rest Api end points with mongoose and node (express , bower) deployed on FTP server.

Webmaster **EAS, University of Houston, Houston –TX** **Mar'16 – Oct'16**

- Create, Maintain and Update faculty, student and department web pages across CMS Server
- CRUD operations with My SQL for faculty and student data management across department website
- Update the Hall way monitors with News and Announcements and deploy over FTP for public display
- Update the data base with new contributions from students and staff
- Regular maintenance and web tickets resolve all over EAS department

Information Technology Intern **Port of Houston Authority, Houston –TX** **May'16 – Aug'16**

- Worked with Web Development, ERP Tools and SharePoint
- Developed a Web application for driver complaint register in visual developer 2010.
- Worked with Configuration and settings, Updating data with JDEdwards Enterprise and BuySpeed
- Worked with Application and data management in SharePoint 2013
- Resolved tickets and issues related to IT, Application development and documentation around 3 POHA locations

Systems Engineer **Tata Consultancy Services, Pune – India** **Dec'13 – Jul'15**

- One of the core Full Stack Java Developers in the Team since the discussion and requirement phase of the project, Beacon Entitlement System for Baker Hughes and involved in design and development.

- Introduced and implemented JSON, Angular, AJAX and JQWidgets in the project
- Developed one of the core modules in the system (Request Module) which helps a user to request an access to a well / entitlement or to create a well there by initiating the notification process and other modules
- Implemented role based functionality and role based accesses in the system
- Developed user dependent UI for other vendor users who have access to Beacon Entitlements
- Implemented Lazy Loading feature customizing JQWidgets writing custom JS files
- Worked with restructuring and code clean up before deployment.
- Worked as an acting lead helping with the Dev and Testing team during deployment, client calls and requirement discussion and freeze
- Worked with Project Lead and Manager Coordinating with client and Testing team to mark validity of the bugs and to design best possible functionalities

Assistant Systems Engineer **Tata Consultancy Services, Pune – India** **Jun'12 – Nov'13**

- Worked with QIK Tool in developing internal web application for Orders & Ancillaries Team in British Airways
- Worked for Front-end, Back-end and Database queries for the project.
- One of the 3 members to work with restructuring 200 script files to make 1 common script to run across the whole application
- Used standard PL/SQL queries for scripting in Qik Tool

Additional Technical Projects: https://github.com/NagoorSaheb

User Management System: A single page responsive web app developed to consume REST Api from Egen solutions team to perform CRUD on mongo DB client. Developed with Angular 2 and node.js with HTML5, Bootstrap, Bower (npm) with testing frameworks Jasmine and Karma built on Gulp

ECommerce Example App: Single page web responsive app developed to demonstrate REST Api end point creation and consumption with node js (express), mongoose, bower and Angular 1.5. End point can support GET, POST, PUT, Update and Delete operations on mongo. User can view, edit, delete or can navigate to buy the book through the application.

UML Data Fetch: A test driven console application developed in JAVA in Eclipse implementing Junit which aims at notifying the user once the stock value reaches a preset value. The xml response from the url received timely is compared to user presets to notify the user and then exits.

Tic-Tac-Toe: Developed in JAVA with test driven programming with Junit, this games houses 3 difficulty levels. The game starts with user selecting the level and making the first move followed by the winner making the first move for next game. User can continue the game or can exit at any point of time.

Cache Characteristics Using Simple Scalar: Developed in Linux environment to run simple scalar and determine the characteristics of all the 10 processors. I introduced a method to our class solving the problem in the project saving 36 hours each. (total 400 instructions * 5 minutes each + set up time – if run individually), took 36 minutes with my method to complete the whole simulations as well as graphical representation. I used bash script to run all the commands and used my own function to draw graphs from the results. Using this project, one can determine exactly for what purpose our computer is primarily designed. For example, gcc processor is used in computers primarily used for programming.

8 Stage MIPS Simulator: Developed in JAVA, this 8 stage MIPS simulator helps in understanding the predict taken, predict not taken and flushing concepts of cache.

Minimal Realization of Transfer Function of Power Plant: This project is a part of Linear Multi Variable Control Systems where our main objective is to minimize the order of the system and is designed programmed in MATLAB. We designed a method to reduce a 100-order system (100 dependencies / 100 * 100 matrix) to as low as 6^{th} order. The final transfer function exhibits all the properties of the parent system and is easy to be analyzed.

Controller & Observer Design: Like Minimal realization, we used MATLAB to determine the Eigen Values or dependencies in the system to design a controller and observer. The system characteristics will be studied by functionally modifying the Eigen values from the existing values helping us to determine the stability issues

Awards & Activities

- Cultural Officer – Graduate Indian Student Organization at UH– 2016
- Appreciation from Baker Hughes for excellent performance – 2015
- On the spot award from British airways – 2013
- Founder and member of TCS Pune– Maitri Dance club, Music Club 2013 – 2015