Quresh J. Lokhandwala

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Software Engineer, aim to develop solutions addressing real world needs, impacting society positively. A quick learner, detail oriented with good analytical skills.

EDUCATION

Master of Computer Science, Arizona State University, Tempe, Arizona, USA - CGPA 3.97/4.0   **Dec 2015**

Bachelor of Engineering - Computer Engg., University of Mumbai - Aggregate 65.169 %   **May 2013**

PROFESSIONAL EXPERIENCE

Senior Member of Technical Staff 1 (Project/Team Change**) - Model N, San Mateo, CA, USA**   **Mar 2018 – Apr 2019**

- Design, prototype & implement from scratch, a RESTful scalable enterprise-grade data integration/messaging platform service for internal/external communication with various applications within the company.
- Technology: Kafka, Java 8, Avro, Spring boot, Maven, TestNG/JUnit, Mockito, REST

Senior Member of Technical Staff 1 - Model N, San Mateo, CA, USA   **Oct 2017 - Mar 2018**

- Senior Developer/technical SME for Model N CPQ (Configure, Price, Quote) Application
- Designed and developed critical features like Purchase Options, SAP for CPQ.
- In absence of architect, guided developers/solution teams.

Member of Technical Staff - Model N, Redwood City, CA, USA   **Feb 2016 – Oct 2017**

- Designed and developed critical features such as Install Base and Services for Model N CPQ Application.
- Worked across all layers of the system i.e. Apex Back-end, UI and Rules Engine in Node JS.
- Drastically improved performance of critical Api's by 50 - 90%.
- Helped organize events like mini-golf event, food-drive & ping pong tournament.
- Technologies: Salesforce Apex, VisualForce, NodeJS, Backbone JS, React JS, JIRA, AWS, Javascript, HTML,CSS

Software Engineer Intern- Model N, Redwood City, CA, USA   **Jun 2015- Aug 2015**

- Designed, developed & tested features for Model N-CPQ Application & Fixed critical bugs & customer issues.
- Developed error handling framework so users could be informed about validation errors across products on a quote.
- Designed back-end api's to perform pagination and improve performance of the system.

Application Support Analyst - J.P Morgan Services India Pvt. Ltd., Mumbai, India   **Jul 2013- Jun 2014**

- Semi-finalist for Dodd Frank Global Banks Database Mgmt Project at J.P. Morgan Technology Analyst Training.
- Analyzed issues in multiple business applications in the production environment, developed scripts & configured checks for application/infrastructure monitoring, suggested ways for improving monitoring.
- Coordinated with global teams in real-time to resolve business critical software issues, addressed technical user queries. Technology: Java Spring, SQL, Shell Script, Geneos Monitoring, JIRA, Confluence, ITSM, HP Svc. Mgr.

ACADEMIC PROJECTS (https://qureshlokhandwala.weebly.com/)

iOS App for Pressure Relief Exercise Scheduling   **Spring 2015**

- An app to schedule pressure relief exercise notifications for wheelchair users. Included customizability to the minute, tabular display of schedules, web database (Parse.com). Technology: Objective-C

3D Game for Teaching 3 R's - Reduce, Reuse, Recycle (Multi-stream recycling)   **Spring 2015**

- Educative game on reduce, reuse & recycle, encouraging sustainable living.Technology: Unity 3D, Javascript

Learning to Detect Unseen Object Classes by Between-Class Attribute Transfer   **Fall 2014/Spring 2015**

- Machine learning of unseen classes using high level attributes. Built an ensemble classifier using attribute learning & regular multiclass SVM to improve learning when training data is less. Technology: MATLAB, C#, Python

Linux Character Driver   **Fall 2014**

- A Linux driver with memory allocation/de-allocation, read/write functionality, proc read/write, basic interrupt handling & interfacing with hardware (LED lights). Technology: Shell script, Kernel Programming/C.

Discriminant Analysis for Recognition of Human Faces   **Fall 2014**

- Linear Discriminant Analysis(& Principal Component Analysis) based image recognition . Technology: MATLAB

Distributed Hotel Booking System Simulation, Web Services   **Fall 2014**

- Simulated a distributed system with multiple agencies & hotels using multi-threading. Used semaphores/locks, events & event handling etc. Developed various web services. Technology: C#, ASP .Net, XML.

'Health Juices' start-up Website   **July 2014**

- A prototype website for my cousin. Functionality included Customer Registration through One Time Passwords, Access Control, Dynamic Forms, etc. Technology: PHP, MySQL, JavaScript, CSS HTML.

Code Generator for Multi-touch Gestures - Learning by Demonstration (Paper Yang Li & Hao Lu.)   **Dec 2012**

- Used state machines, learning by demonstration & motion recognition. Technology: Java, Android.

ETL and Data Mining Tool (Apriori, K-Means, and K-Nearest Neighbor)   **May 2012**

Java Simulation To Model The Spread of Camouflaging Worms   **Mar 2012**

Social Crime Reporting (child abuse, corruption etc.) & Donation Website   **Dec 2011**

Randomized Maze Game using Java Applets, & depth first search.   **Dec 2010**

EXTRA-CURRICULAR ACTIVITIES

- Volunteered for 9 months at the Akansha Foundation, helping underprivileged children learn English and Math.
- Creative Head of Computer Society of India, student chapter of D.J. Sanghvi College of Engg.