

Mohammad Amir Jamil

PERSONAL DATA

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WORK EXPERIENCE

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| OCT'17-CURRENT | <p>Project Manager at TELECOMMUNICATIONS CONSULTANTS INDIA LTD, Riyadh, Saudi Arabia
<i>Software Design Architect</i></p> <p>Worked to formulate Prototype for Online Cab booking facility, a step in e-commerce for 6 provinces in Saudi Arabia using Nodejs with MySQL, Nginx, Memcache and RabbitMQ. Design, Planning and Optimisation of FTTx networks. Expertise in BI Tools for Optical Cost Budgeting. Formulated Module using Tableau and OpenI for Business Intelligence.</p> <p>Represented TCIL on Global Platform for National Broadband Plan of MoCIT, Saudi Arabia 2020. Presented Network Optimization Techniques and Migration from Web Based to Mobile Based Architecture for Network Planning to Saudi Telecom Company. Handled Team for Formulating Behavior Driven Development of Various Modules to be used in Network Planning.</p> <p>Developed a Module which will render real-time photos on GIS Platform , which will ease Network Planning and Maintenance of FTTx Networks.//Python</p> <p>Developed test cases for Network Function Virtualisation(NFV) with Nodejs and nettle(Haskell).</p> |
| OCT 2015- OCT 2017 | <p>Project Engineer at TELECOMMUNICATIONS CONSULTANTS INDIA LTD, Riyadh ,Saudi Arabia
<i>Software Developer and Network Analyst</i></p> <p>Certification from Advance Level Telecom Training Center(ALTTC).</p> <p>Developed Broadcast Chat Messenger for Intra-communication using Socket.io.</p> <p>Developed single handed Cloud Based Logistics Management System for TCIL in Saudi Arabia ,using Openshift as deployment engine and JAVA with MYSQL cartridge. Use of Poi libraries for excel files and SOLR for fast indexing. Also performed POC on Microservices with JPA.</p> <p>Controlled the PMCS(Project Management Control System) for TCIL in Saudi Arabia, which involves query optimization and Deviation Analysis and Milestone Completion Features.</p> |
| JUN 2015 - OCT 2015 | <p>Software Development Engineer at JABONG,
<i>Developer</i></p> <p>Handled the Cancel Order page UI and Front End in Sails.js. Developed services, controller and policies for the feature.</p> <p>Implemented the Test Driven Development for the module with Mocha and Chai.</p> <p>Optimisation of Jabong Search Suggestion which included POC for individual time break up for the modules. Made use of concurrent request tool handler (siege) for latency. Meanwhile developed Locust module to do the same.</p> <p>Made a JavaScript Error Logging Module which would log errors of the frontend in chronologic order.</p> <p>Developed a Bunyan logger for the Bussiness Logic Layer of Jabong.</p> <p>Made a Nightwatch module for automated testing for complete catalogue testing.</p> |

EDUCATION

2011-2015 B.Tech Computer Engineering from Jamia Millia Islamia, New-Delhi. 9.08/10
2010-2011 Intermediate from City Montessori School. 92.5%
2008-2009 HighSchool from City Montessori School. 92%

TECHNICAL SKILLS AND INTERESTS

Programming Languages: JAVA, C, C++, Haskell, Javascript, Python.
Programming Paradigm: Functional , Object Oriented Programming.
Databases: MYSQL,MongoDB,MariaDB.
Tools: ElasticSearch, Kafka,Redis, Nginx.
Web: HTML, JavaScript, Node,Handlebars.
Frameworks: Spring, Hibernate, Sails.js, DUST, Nightwatch,RabbitMQ.
Operating System: Windows, Linux(Debian).
Interests: Oratory, Driving, Table Tennis, Music,Casio Playing.

RESEARCHES

Digital Image Authentication And Encryption Using Digital Signature: Image Encryption using Reed Solomon Encoding and Digital Signature(hash function and RSA)with Logistic Map chaotic shuffling. **The research has been accepted and given 'BEST PAPER AWARD' by IEEE.**

Image Steganography using Genetic Algorithm and Visual Cryptography: Digital Image Encryption Using Matrix Crossover Technique of Genetic Algorithm. Splitting of image in n-shares using Visual Cryptography.

Certified by University of Toronto for online course "Learn To Program The Fundamentals".

COMMUNICATION

MAR'15: **IEEE Conference, Ghaziabad.** Presented Reaseach Paper titled "Digital Image Authentication and Encryption Using Digital Signature".

SEPT'15: **Algorithmic Session,Jabong.** Delivered a talk on Run Time Complexity and Optimization of API calls for the Front-End Team of Jabong.

MAY'17: **Innovative Ideas for Telecommunication Networks for National BroadBand Plan 2020, Saudi Arabia.** Delivered a Presentation for Innovative Ideas to Saudi Telecom Company for National Broadband Plan 2020.The talk focused on cost Optimization, Shifting to Mobile Platform and Network Planning.

SEPT'17: **Presentation on Cloud Services for Call Center to MoCIT,Riyadh.** The Presentation was Technical Proposal for setting up Call Centre for Saudi Arabia focusing on Cloud Data Storage and Big Data Processing using Hadoop.

PROJECTS

Finger Trees: Implemented Finger Trees in Haskell without using the Hackage. Also played with functional programming paradigm using Concepts on Concurrency and Persistence.

Generic Base Calculator: Java Based Application to perform Binary Operations upto Base 40.

Hostel Management Project: A web based project for hostel management using Jsp and MYSQL database.

Snap And Shop: Android application for customer support on e-commerce websites. This application is for image search on e-commerce websites which uses fuzzy logic approach

and tags search for specific product and gives the best price list i.e A comparator for different e-commerce websites.

Ball above the bar: A d-x ball like game using Scratch during online course CS-50 by Harvard University.

All Servers on Single Click: It's a Swing application that I built for launching different Servers like Wamp, Weblogic, Xamp from a single click which ease my work during Development.

Scripts & Tools : Have written JS scripts to ease my web work and configured AutohotKey for working in Windows.

Locat : My recent project is to expand the concept of Location Identifier. Using Semantic Analysis to query Address and get back the Coordinates of Queried Sentence. Working to optimise the Algorithm for accurate results.