Ashutosh Sharma

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H No. 92, Defence Estate,
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Professional Summary

- **Experience in development of Web & Enterprise applications using Node, J2EE, React, Dojo, Native Javascript(ES2015+) & many more technologies.**
- **Cohesive team worker, having strong analytical, problem solving and interpersonal skills.**
- **Strong in Data Structures and Algorithms.**

Experience

Vizexperts India Pvt. Ltd.   **Jan 2016 - Present**
Web-Application Engineer

Responsibilities and achievements
- **Applied styling on vector and raster layers using SLD param in wms GetMap request and integrated it with mapcache using mapscript.**
- **Developed REST services to maintain workspaces to store and serve raster and vector layers from MapServer.**
- **Captured flight data and used it to place flight icon on map in 4 different states(default, bound to snapExtents, bound to videoExtents and center map to flight icon).**
- **Import-Export facility which exports data from one Server and imports into another.**
- **Worked extensively on openlayers 3 API.**

Zoho Corporation Pvt. Ltd.   **June 2014 - Dec-2015**
Member Technical Staff

Responsibilities and achievements
- **Developed a module which gathers and processes large number of logs from Exchange Servers using ADSI. Using these logs different reports get created which contains organisation details in human readable form.**
- **Developed a framework for exporting sub-reports using jasperreports library.**
- **Developed a common framework for four different products to bookmark reports based on login name.**
- **Responsible for the development and enhancements of the codes and existing process wherein I have contributed with many back end enhancements and UI modifications.**

Qualification

M.Tech, Computer Science (Information Security)	2012 - 2014	CGPA : 7.67/10	
National Institute Of Technology, Calicut, Kerala.			
B.Tech, Computer Science and Engineering	2008 - 2012	Percent : 68.86	
Greater Noida Institute Of Technology, Greater Noida.			
XII	2008	Percent : 80.0	
Army School Agra Cantt, CBSE.			
X	2006	Percent : 80.4	
Army School Agra Cantt, CBSE.			

Technical Skill Set

Programming Languages	JavaScript(ES2015+), JAVA, C, C++, C#.
Web Technologies	React, Dojo, Angular, jQuery, Python, HTML5, CSS
Java Technologies	J2EE, JSP, Jasper-reports
Frameworks	Spring, Struts 2.0, Express, Koa2, Angular
DBMS	MySql, Postgres, MongoDB

VizExperts Projects, Gurgaon

Title : Georbis Enterprise Server

Description : This project provides WMS, WFS, WPS, WCS services to client application. My responsibility in this project was to create workspace for users. Workspace stores layers loaded on a map so that next time when user will open the workspace he can start his work from where he left. Added server side styling support with SLD and I also created many reusable dojo widgets.

Techniques : J2EE, Hibernate, Dojo, jQuery, MapServer, MapCache, SLD, MapScript, OpenLayers3, Cesium

Title : IGVDS

Description : This is a defence project which uses live video and other flight data sent by drone.
I used flight data to show flight icon on map in moving state.
Wrote Services to provide image processing on live video footage
Used client side map api(openlayers, Cesium) for multiple small and big features

Techniques : J2EE, Hibernate, Dojo, jQuery, MapServer, MapCache, SLD, MapScript, OpenLayers3

ZOHO Project, Chennai

Title : Exchange Reporter Plus

Description : This project helps windows administrator by providing them reports from their active directory environment. I wrote bookmark framework with complete drag and drop functionality and integrated it with four different products related to active directory. Created new tab monitoring which contains 14 reports, dashboard with multiple graphs. Wrote framework to export sub-reports using jasper-reports and also performed many minor UI and back-end modifications.

Techniques : Matlab, Image Processing

M.Tech Projects, NIT Calicut

Title : Fractal Image Compression using Locality Sensitive Hashing

Description : In this project, I have tried to reduce the complexity in comparing a range block with large number of domain blocks using locality sensitive hashing. Locality sensitive hashing clusters similar domain blocks in same bucket due to which we have to search a domain block in just one bucket whose hash value is close to range block for which we are searching domain block.

Techniques : Matlab, Image Processing

Title : Implementation Of Blind Signature using RSA and Elgamal

Description : It was an idea to implement a different signing technique called blind signature to level up the security in applications like E-Voting, E-Cash and others to hide information from the signer.

Techniques : Python, RSA, Elgamal Signature

B.Tech Project, GNIT Gr. Noida

Title :   Fractal Image Compression
Description : Wrote an algorithm according to the paper Fractal Image Compression,
              Yuval Fisher, 1994.

Journals & Publications

Title   : Fractal Image Compression using Locality Sensitive Hashing,
              Vol. 3, Issue 3, March - 2014.
Publisher   : International Journal of Engineering Research and Training.

Area Of Interest

Data Structures, Algorithms, Database, Operating Systems & Information Security

Workshops

Attended Industrial Training by SAP Labs on Big Data & Mobile Computing in Nov-2013.

Contact Me

Website   LinkedIn   GitHub   Facebook   Twitter

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