

Seasoned programmer and full stack engineer with Java and Javascript as primary weapons of choice.

Author of Instant Node Package Manager

Technical Skills

Programming Languages

- *JavaScript: Professional. Proficient with browser and node.js platform*
- *Java: Professional. Proficient at Core and J2EE*
- *PHP: Professional*
- *PL/SQL: Basic*
- *Python: Proficient. Always use during programming contests.*
- *Shell Script: Accustomed to using bash terminal. Built basic shell programs.*
- *C, C++: Elementary knowledge*

Theory of Computer Science

- *Good grasp over classical algorithms and data-structures (including graphs)*
- *Understand Theory of Computation*
- *Familiar with Linear Programming, Divide and Conquer, NP-completeness, greedy algorithms, and dynamic programming.*
- *Familiar with cryptography*

Databases

- *MySQL: PL/SQL, SQL queries, explain plan, optimizations*
- *MongoDB: NoSQL database*
- *ElasticSearch/Solr: Alternate database for performing full text search*

Operating System

Linux: Always use ubuntu operating system, know basic shell commands and prefer using command-line for some tasks. Used as development platform, Web Server, Database Server.

Strengths

- *Never stop learning. Always taking at least one course on <http://coursera.com>*
- *Commitment towards the end product.*
- *Quickly hit the ground without much help by simply reading the documentation of related technologies.*
- *Work in a collaborative environment and be aware of my role.*

Other interests

- *History, Evolution of humankind.*
 - *Keeping abreast with state of art technologies and developments in IT*
 - *Reading*
 - *Writing*
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Technical Skills

Like: node.js, python, algorithm, javascript, java, servlets, spring-mvc, jsp, jquery, mysql, mongodb, machine-learning

Dislike: ruby

Experience

Assistant System Engineer – Tata Consultancy Services

August 2010 - May 2013

java, javascript, mysql, struts, mondrian

- Built RESTful APIs on Spring MVC and consumed them on browser.
 - Built Batch processes using spring batch.
 - Authored a micro book on Nodejs and NPM
 - Created Chrome Extension and Firefox Addon
 - Exposed SQL injection and XSS vulnerabilities
 - Our tech lead used to take advice from me
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node.js developer – SRS Consultancy

June 2013 - Current

node.js, java, mysql, redis, epub, web-applications

- Laid out the design and developed a single page, front end MVC application using emberjs backed by a RESTful backend.
 - Created a RESTful, scalable backend on node.js platform which was consumed by a number of clients including browser, android and iOS applications.
 - Audited and fixed XSS vulnerabilities.
 - Worked briefly with devops. Wrote and managed chef scripts to manage automatic deployment of infrastructure.
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Geeklist Hackathon 2.0

node.js, elasticsearch, mongodb, redis, ejs

Participated in Geekli.st hackathon 2.0. Collaborated with a ui developer to create a backend for registering and finding lost pets. During hackathons usually lots of hacks are used to hit the ground running. But this project has a very good architecture and is already ready to scale. All the technologies/platforms used are known to scale really well and they fare well with distributed deployment. The best thing was that we were able to achieve so much in just two days. I wrote the complete backend single-handedly and also wrote the server templates. The git repo that we use to collaborate is here https://git.geekli.st/juzer_ali/reunite-pets/.

Technologies used are

node.js known to scale for large network I/Os, has clustering capability on multicore machines

mongodb NoSQL db that can handle large scale data. Can shard the data based on index. Can be deployed as Sharded cluster.

redis extremely fast key value storage. helps in maintaining volatile data. Used for maintaining session data in this app. Maintaining session in memory makes app less resistant to fail over and hard to distribute. Can also be used as pub/sub queue.

ElasticSearch Full text search engine. Deployed as cluster.

Software Developer Lead at Xola – Xola.com

March 2014 - Current

php, javascript, backbone.js, symfony2, node.js

- Build RESTful APIs
 - Build interactive web experience
 - Break application into smaller services
 - Make application stateless by moving stateful data to redis
 - Develop features
 - Fix bugs
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Education

Bachelor Of Engineering – Institute Of Engineering and Technology, Devi Ahilya Vishva Vidyalaya, (IET-DAVV Indore)

2006 - 2010

Won 2nd Prize at IIT-Mumbai Nexus techfest for creating Morse code reader and decoder.

Certifications

Machine Learning by Andrew Ng via Coursera

2013 - 2013

Programming Languages by Dan Grossman via Coursera

2013 - 2013

Projects & Interests

Stack Overflow – <http://stackoverflow.com/users/911963>

August 2011 - Current

Written 81 answers. Active in google-chrome-extension and javascript.

GitHub - Crawljs – <https://github.com/juzerali/Crawljs>

April 2013

javascript, node.js

A basic crawler written on node.js. Did it as part of an interview process. It accepts a seed url and recursively follows all the urls found on the page and writes them on the file system.

Author

GitHub - Don-t-lose-your-query--Chrome-Extension – <https://github.com/juzerali/Don-t-lose-your-query--Chrome-Extension> March 2012

Chrome Extension for managing queries in browser while using phpminiadmin and phpmyadmin. It uses `localStorage` for persistence.

Creator

GitHub - Don-t-lose-your-query--Firefox-Addon – <https://github.com/juzerali/Don-t-lose-your-query--Firefox-Addon> February 2012 - March 2012

Firefox addon for managing queries in browser while using phpminiadmin and phpmyadmin. It uses `localStorage` for persistence.

Creator

GitHub - node-elasticsearch-client – <https://github.com/juzerali/node-elasticsearch-client>

December 2012 - February 2013

A client written in node for elastic search

Fixed bugs, wrote enhancements, wrote the test suite.

GitHub - solr-node-client – <https://github.com/juzerali/solr-node-client>

November 2012

javascript, node.js

A solr client for node.js.

Fixed bug, wrote test cases.

GitHub - SML-Language-Definition – <https://github.com/juzerali/SML-Language-Definition>

January 2013

smlnj, sml

A .tmLanguage language definition for SML. Provides syntax highlighting in Sublime Text 2.

Contributer

Chrome Web Store - Don't Lose your Query –

<https://chrome.google.com/webstore/detail/ffimgldnoigmlcofmfkfjcehbdkipph>
javascript

Don't lose your query while working on phpminiadmin.

Sole developer

Chrome Web Store - PassportPro –

<https://chrome.google.com/webstore/detail/pmhdefpphdcjknccfegiiflcmnnlean>
javascript, java, gae

Chrome Extension for PassportPro

Sole developer

Dont Lose Your Query :: Add-ons for Firefox – <https://addons.mozilla.org/en-US/firefox/addon/dlq/?src=ss>
javascript

Ever lost your query while working on phpminiadmin? this extension saves your query into localStorage and you can see last few queries used on the page. Your phpminiadmin url...

Creator

GitHub - expressive-router – <https://github.com/juzerali/expressive-router>
javascript

May 2013 - June 2013

Alternate router for express. Matches request and handler based on request headers, params, and content negotiation

Author. A shot at creating a spring mvc like router for express.

GitHub - unionfind – <https://github.com/juzerali/unionfind>
javascript

September 2013 - February 2014

Implementation of Weighted Quick Union-Find with Path Compression data structure.

I was learning this data structure and saw no node module existed for this. So I created one.

GitHub - Emberjs documentation – <https://github.com/juzerali/website>
ruby

November 2013

Source for emberjs.com

I am working with emberjs right now. While reading docs I found some errors, so contributed a fix.

Writing

Instant Node Package Module – <http://www.amazon.com/Instant-Node-Package-Module-Juzer/dp/1783283335%3FSubscriptionId%3DAKIAIIBINOD46VC3JCLQ%26tag%3Dstackoverf108-20%26linkCode%3Dxm2%26camp%3D2025%26creative%3D165953%26creativeASIN%3D1783283335>

Fusion of VisualForce and charts | The Learning Curve – <http://hackcker.wordpress.com/2013/05/14/fusion-of-visualforce-and-charts/>

After you have set up your visualforce workflow and trained you employees, next thing you would want is to analyze your data. You would want to keep track of your business' key performance indicators...

Tools

First Computer: Windows 95
Favorite Editor: Sublime Text, Eclipse