RAHIL SHARMA

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Senior Developer

Objective

To associate myself with a growing and progressive organization and work in a challenging environment that will provide opportunities for learning and growth with the best efforts for achieving organizational goals & at the same time having self-development through learning, exposure and seeking my own identity.

Work History

Aug 2018 - Present

Senior UI Developer

Trelleborg India

Jan 2017 - May 2018

Software Engineer

Insteract - Travel is going smart

Worked as a full stack developer . I am mainly responsible for frontend and backend .

Dec 2015 - Jan 2017

Senior Developer

Talkoot - Social Network for Traders and Investors

Worked as a lead full stack developer . I was mainly responsible for frontend , backend and all devops related work at Talkoot .

Aug 2013 - Sept 2015

Senior Technical Associate

Bank Of America

I was part of Automation Governance and Innovation Team in CBT (Consumer Banking Technologies) department of Bank Of America. I have worked on multiple desktop and web based projects and POCs here.

Education

2009 - 2013

B Tech in Computer Science

VIT University , Vellore

8.48/10 (CGPA)

2008 - 2009

Class 12 (CBSE Board)

DPS Bhopal

88.2%

2006 - 2007

Class 10 (CBSE Board)

DPS Bhopal

87.4%

Certifications / Awards

- Microsoft Certified Professional - Developing ASP.NET MVC Web Applications
- OCJP 6 - Oracle Certified Professional, Java SE 6 Programmer
- Cognizant Certified Student Award.
- Global Recognition Award (Bronze Award) at Bank Of America (July 2014)

Skills

Front End Development

React Js , Redux / Flux , Jquery , Javascript , html , css , es6 , Bootstrap , Webpack , gulp , google charts , highcharts, Charting Libraries , less/sass , web workers , service workers , Babel , also familiar with Angular Js .

Back End Development

Node .js , Express , Loopback, Async.js , Socket.io , parse server , Core Java , Rest / Soap based Api Development , MicroService Architecture , Play Framework .

Databases

MongoDB , Redis , MySql

Server Administration / Cloud Services / DevOps

AWS Services like ECS , dynamodb, SES , Route 53 , EC2 , S3 , CloudFront , CloudWatch , Ubuntu , Apache , server monitoring and security etc. , docker , circleci

Professional Projects

Aug 2018 - Present

Hydraulic Cylinder Calculator

Trelleborg India

I am currently working on a hydraulic cyclinder calculator which calculates pressure, displacement etc for cylinders and electric motors. Technologies used are html, css, javascript and jquery.

Jan 2017 - May 2018

helloisa.insteract.com

Insteract.com - Simplify business travel

I worked as a software engineer in Insteract . Its a B2B platform which is used by businesses to reduce their travel expenses . I am currently working on Angular , Loopback - Node.js , Play Framework - Java tech stack.

Key technologies / features that I have worked on:
- Implemented new UI theme for the main dashboard . Also developed new front end modules for onboarding new users , integrating social logins , flight results , flight search widget , users personal page etc.
- From backend side I am working on integrating major flight meta search engines and providers like SkyScanner , SastiTicket , TBO , Google Flights .
- Worked on scoring algo logic for main search feed and best deals based on user preferences.
- Reduced time taken for rendering search results by simplifying the schema on both front and backend. Also worked on a light weight schema specifically designed for mobile apps.
- Implemented payment(ccavenue) and ticket booking flow for flights.

Dec 2015 - Jan 2017

Talkoot.in

Talkoot

I was working as a Senior Developer in Talkoot.in . It's a social platform for traders and investors.Have used React Js in the front end and Node js , php and python in the backend . Key technologies /features that I have worked on:
- Completely developed talkoot.in website from scratch using React.
- Worked on express based parse-server as nodejs backend.
- Web based push notifications using GCM .
- Link Preview feature - Its a php based script which crawls websites in realtime and caches them to generate a preview for the front end.
- Canvas based image resizer which creates a preview / thumbnail images at client side and saves them to AWS S3 storage.
- Facebook and Twitter Auto Posting - Developed module which automatically posts to users facebook wall or page and twitter feed if the user has granted permissions.
- Real Time Chat using websockets (pubnub)

- Worked on Parse.com to parseserver (node) migration.
- Increased mongodb performance by improving indexing.
- Load and Performance testing on node js and mongodb servers using Soap UI.
- Drag / Drop - Implemented drag / drop utility so that users can directly upload images and documents in chat and idea section.
- Database and Server migrations accross different EC2 regions with little downtime.
- Doing all server admin related jobs like configuration of security settings / firewall rules / ip rules .
- Developed web worker based service on UI which shows realtime stock prices using Google finance api .
- Wrote multiple python and shell scripts for automating trivial tasks such as automated backups of databases and ec2 snapshots etc.
- Wrote custom data downloaders in shell and python for downloading stock related data from Zerodha and google finance api and saving them in mysql databases.
- Setting up of ssl certificates in website and node backend , mongodb configuration , mysql configuration , wordpress and apache.
- Worked on cloud services like ec2 , s3 , cloudfront , route 53 , cloudwatch , ses etc.
- Wrote custom module for integrating TradingView chart in the website.
- Wrote a node js module which takes snapshot of chart . Chart data is passed from canvas and on server side it is assembled to give a single snapshot of the page using gd(c++) library . Also data size of image was compressed to make it <100 Kb for canvas datasize > 2 mb . After that it is uploaded to S3 and returned to the user.
- Wrote phantomjs based snapshot taking module in node . Used as a service to convert html / javascript based charts to png images.
- Wrote a module to send bulk emails using Amazon SES . It uses a custom template and also has all the features of tracking user interactions like click , view , subscribe and unsubscribe.
- Automated a daily market summary dashboard which contains daily performance report of NSE stocks. Its a collection of php based webcrawlers that downloads EOD data from NSE website (bhavcopy) , creates a report every day at 6 pm and then sends it as a mail to all subscribers.

Feb 2015 - Aug 2015	**Travel-Flag**

Bank Of America

I worked as Front End Developer. My main responsibility was to integrate foundation framework with existing design and make website responsive.

Oct 2014 - Feb 2015	**AGTI Auto Data Provisioning Tool**

Bank Of America

I worked as Full Stack Developer , I designed complete website as a single page app from scratch , also implemented rest based services for the backend , designed a push notification based system for backend jobs using SignalR , designed schedulers for IIS , also used various jquery grids and data representation libraries like highcharts and raphael for front end.

Sept 2014 - Oct 2014	**AGTI ScreenCapture Utility**

Bank Of America

I implemented 4 key features in the tool :- Capture Screenshots using global keyword / mouse hooks , Capture Screenshot using HotKeys / ShortCut keys , Excel/Word Support using OpenXML library , Capture Screenshots of Active Window / or when window changes.

Oct 2013 - Sept 2014	**ExACT – Extrapolatory and Automation Certification Tool**

Bank Of America

Its a easy to use desktop based QA tool based on hybrid frameworks. My resposibilities included design,development,unit testing and integration with other systems.Some key features implemented by me were using Global low level keyboard and mouse hooks to design screenshot and video playback utility , designed bulk upload utility for HPs QC using OTA library.

Personal Projects

2012 - 2013	**Implementation / Detection of fake AP attacks in open wireless networks.**

Vellore Institute Of Technology , Vellore

It is a collection of shell scripts that automate the task of doing a fake ap / rouge ap attack .I also provided two solutions to detect the fake ap attacks . Tools used were SSLStrip , Airmon-ng , WireShark , Airodump , dhcp3 sever , SET toolkit , ettercap.

Feb 2012 - April 2012	minGel Webcrawler / Search Engine

Vellore Institute Of Technology , Vellore

It is a medium sized search engine which can be used by small websites . The front end is built Html,CSS and back end is in Php and Mysql .

Personal Details

Date Of Birth - 09/10/1992

Gender - Male

Nationality - Indian

Linked IN - https://www.linkedin.com/pub/rahil-sharma/63/33/693

Github   - https://github.com/rahilsharma

StackOverflow - http://stackoverflow.com/users/5825441/rahil-sharma

Angel.co - https://angel.co/rahil-sharma

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