Rabat Chowdhury

Senior Software Engineer

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I am full stack application developer and have gathered 9+ years experience of developing different types of software products by working in companies like B2B tech solution providers and start-ups. In the process of developments I was involved in requirement analysis, planning and choosing development stack, designing application architecture and database.

Skills

Web development, Software architecture, database design, DevOps, Mobile application development, GraphQL,
JavaScript, Nodejs, Python, JAVA EE, Go, **Typescripts,**
ReactJS, VueJs, **Angular 1.x, React Native, Express.js, flask,** Hapi.js, Spring, D3.js
MySQL, PostgreSQL, MongoDB, Redis, DynamoDB, **Firebase**
ElasticSearch, Solr, **Apache Kafka, Docker,** Kubernetes, **Nginx,** Apache Tomcat
Gulp, Webpack, git, CI/CD
AWS, Google Cloud, Rackspace, Oracle cloud.

Employments

Shopfront Ltd (ShopUp)
Senior Software Engineer | Feb 2015 - Present

ShopUp is a platform for micro entrepreneurs funded by Sequoia Capital and Omidyar Network, the goal is to help merchants in shop management, product sourcing, advertising and financing (loan). It currently has over eighty thousand merchants onboarded. Currently closing funding round series A.

Here I am involved in development from the very first day of this start-up. Worked closely with the founders to plan the product and designed the architecture of the application, launching many features to meet the numbers to raise funds from the inverters.

- Designed the architecture of ShopUp platform
- Designed and developed strategies to collect user data from different social platforms and marketplaces. Ensured the usage of those data to provide better service to the consumers. Initially also worked as data analyst to find the scopes to expand the business by launching new features/products under the same platform
- Developed mobile application
- Currently actively working on products "ShopUp Assist" and "ShopUp eLoan" to get working capital to the merchants and help to grow their business.
- Designed and setup cloud deployment which includes auto scale up of the application on demand. Here we used two different commercial cloud platforms AWS and Google cloud.
- Apart from the development occasionally also work with the ops and watch operational procedures to find flaws and to solve different issues and improve application performance to keep daily operation smooth.

Ice9 Interactive Ltd.
Software Engineer | Nov 2014 – Feb 2015

Product: Smashboard
It's a real time social media query management platform, where customer service agents resolve queries that customers posted or commented or tweeted in social media. At that time, companies like Robi, Airtel, GSK, ekhoni.com and many others were using it for their customer support.

- Revamped backend and frontend of the application
- Improved database query performance
- Developed the solution that could take too many http requests (burst requests) within a minute using a very small amount of resources, improved analytics, automated reporting system and agent's performance monitoring module.
- Migrated the application and its database to the commercial cloud infrastructure AWS

Also involved in a few different other projects planning and discussions to help colleagues with my opinions to solve their issues.

Servicely LLC.
Software Engineer | Dec 2010 – Oct 2014

Project: Cloudly
An application to migrate web servers including databases, storage and DNS from general VPS to commercial cloud platforms e.g AWS.

- Involved in development of the storage and DNS migrations
- Developed the module that could provide users the real time progress of the migration
- Started working on the prototype of database migration.

Project: Lifograph
The biography, timeline and graph of who's who in Silicon Valley. Where entrepreneurs can connect themselves and discover the path(s) to contact with the angel investors, venture capitals and companies.

- Integrated LinkedIn and Crunchbase APIs to this application
- Developed a connection graph between persons to persons and companies and served via APIs
- Worked in frontend to represent the graph, used D3.js

Project: Codify
Open source projects, source code and contributors search engine.

- Implemented and maintained some crawlers for GitHub, Bitbucket and Apache.
- Test automation for different modules of the application

Education and Achievements

Degree

B.Sc in Computer Science & Engineering from East West University

Publication

Hasin Al Rabat Chowdhury, Tasneem Farhat, and Mozammel H A Khan, *"Memetic algorithm to solve graph coloring problem"*
International Journal of Computer Theory and Engineering, vol. 5, no. 6, pp. 890-894, 2013
(as first author)