

NEHAL BHANUSHALI

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EDUCATION

Master of Science in Information Systems, Northeastern University, Boston, MA September 2015 – December 2017
Relevant Coursework – Application Engineering & Development, User Experience Design, Web Development Tools & methods, Program structures & Algorithms, Engineering Big Data Systems, Parallel Processing & Multithreading

Bachelor of Engineering in Information Technology, Mumbai University, India September 2009 – May 2013
Relevant Coursework – Computer Programming, Internet Programming, Artificial Intelligence, Object Oriented Analysis & Design, Database Management Systems, Data Structures and Algorithms

TECHNICAL SKILLS

Web/ Mobile Tech: Ember + Redux, React, AngularJS, Javascript ES6, HTML5, CSS3, jQuery, Handlebars.js, PhoneGap

API/ data services/ frameworks: REST, Spring MVC, Hibernate, Hadoop, MapReduce

Back-End Tech: Java, Python, SQL, Shell Script

Databases: MongoDB, MySQL, MS SQL Server

Cloud/ Virtualization/Version Control: Git, Docker, AWS (EC2/EMR), Anaconda

EXPERIENCE

Software Developer II, RSA Security, Reston, VA February 2018 – Present
Real-time network forensics and automated threat analysis solutions

- Design and implement distributed web micro services to power UI to enable the analysis of high volumes of mission critical security data including application logs, network sessions, and malicious files found on servers
- Develop user interfaces for enterprise class security web application using the Ember JS framework
- Resolve defects raised by quality assurance team and clients
- Write unit and integration tests for all the code modules

Web Developer Intern, Call-Em-All, Frisco, TX May 2016 – August 2016
On-demand automated voice broadcasting and bulk text messaging services

- Worked on features & bug fixes in the open source framework, Material-UI (Google's Material Design using React)
- Resolved issues related to the usage of Material-UI components on GitHub and Gitter
- Re-structured the existing texting website for seamless transition into Material-UI to achieve better scalability
- Proactively mentored kids in the Frisco CoderDojo hosted by Call-Em-All

Software Engineer- Full Stack, Tata Consultancy Services Ltd. (TCS), Mumbai, India September 2013 – July 2015
Information technology (IT) service, consulting and business solutions

- Developed platform independent mobile apps using PhoneGap & REST API for enhanced on-field customer service
- Strategically redesigned client legacy websites with responsive design for enhanced user experience
- Created custom CSS and JavaScript validation components for use across corporate client and internal websites
- Provided peer group training and assistance in hybrid mobile app development and responsive web designing
- Lead a team of 5 in designing and developing an online web store in J2EE (JSP and Servlets) while training
- Revamped existing project modules having obsolete architecture using Struts and Hibernate Frameworks

Awards: "TCS Gems - On the Spot", for rich UX mobile & web and for achieving 98.9 % Client Satisfaction Index

PROJECTS

Bitcoin price prediction and transaction anomaly detection, Northeastern University, Boston, MA April 2017

- Developed a MapReduce solution to find unique users having multiple transaction public keys in the transaction network data to increase the accuracy in anomaly detection
- Fetched bitcoin data from websites through scraping & pipelined the entire application using Luigi and Docker

TheNomadicClan - A Social networking website for travelers, Northeastern University, Boston, MA April 2016

- Created a responsive single page web application with rich user interface backed with Spring web service
- Implemented infinite scrolling, fetching JSON data through AJAX on scroll, for lazy loading

Smart Farming - Internet of Things, Northeastern University, Boston, MA December 2015

- Developed an application in Java Swing for conveniently managing farming operations by IoT enabled gadgets
- Programmed the logic for simulated data generation for sensors required in the farming equipment
- Created a weather monitor and alert system fueled by simulated data with a networking platform for farmers