

Mahak Singh

SOFTWARE ENGINEER | INFORMATION SYSTEMS | NORTHEASTERN UNIVERSITY

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ABOUT ME

- **Programming Languages:** C++, Java, JavaScript, Go
- **Web Technologies:** HTML5, CSS3, JSP, jQuery, Bootstrap, Angular JS, React.js, ruby on rails
- **Frameworks:** Java Swing, Spring MVC, Hibernate, Spring Boot, Express
- **Database:** MySQL, MongoDB, PostgreSQL, Redis, RethinkDB
- **Version Controls:** Git, Bit Bucket, Github
- **IDE Editor:** Eclipse, Sublime Text, Netbeans, Visual Studio Code
- **Mobile Development:** Flutter, Dart
- **Amazon Web Services:** S3, EBS, EC2, Elastic BeanStalk, DynamoDB, VPC, CloudFront, CI/CD, Monitoring, Security

EXPERIENCE

Full Stack Developer Intern

May 2019 – Dec 2020

Ionic Materials

Woburn, MA

- Gathered requirements from all interconnected branches like technicians, battery scientists, product managers within the company
- Translated requirements into tangible deliverables such as functional specifications, user cases, user stories, workflow/process diagrams, data flow/data model diagrams
- Built and designed a full stack application, **BAMSI** which processes, analyzes and renders data visually using *React* to encapsulate the complete process of Battery Manufacturing. Data is stored on a backend created using *Node*, *Express* and *MongoDB*
- User authentication with Active Directory/LDAP for identity management, single sign on (SSO)
- Deployed the web application on companies On Premise Windows server

PROJECT

MoviesMasti

Jun 2020

- Developed a movie searching website using the Movie Database API
- Used AWS S3 and CloudFront for storing and distributing the application and Dockerized the application
- Setup Continuous Integration/Delivery pipeline and used Sentry for error monitoring

Slack Clone

May 2020

- Built a real time support system using React, Golang and RethinkDB.

DoggieCuddle

Apr 2020

- Built a socializing platform for dogs and their owners to provide dogs with superior matchmaking experience by expanding geographical opportunities to meet compatible partners using ReactJS as front-end and Redux for state management
- The back-end use of Node, Express, MongoDB and Mongoose, the complete MERN Stack to provide RESTful API

SkinsShop

Apr 2019

- Implemented ecommerce application for buying and selling skincare products – Maven project incorporating dependency injection, interceptors, filters built in Spring and Hibernate along with MySQL backend

Portfolio

Dec 2019

- Designed a website to demonstrate my work and skills using ruby on rails
- Implemented blogging feature with real time commenting using action cable
- Implemented drag and drop interface

EDUCATION

Master of Science: Information Systems

Expected in Dec 2020

Northeastern University

Boston, MA

Relevant Coursework: Web Design and User Experience, Web Tools, Program Structure and Algorithms, Application Engineering Development

Bachelor of Engineering: Electronics and Communication

Sep 2011-May 2015

Rajiv Gandhi Technical University

Bhopal, India