Simarjeet Chhabra

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>LANGUAGES AND TECHNOLOGIES

- **Proficient:** Java, C#, JavaScript, React, Angular, Python 3, Node.js, Express, SQL, MongoDB, Firebase, Heroku, jQuery, CSS3, Bootstrap 4, AJAX, AWS (CloudFront, Lambda, S3, EC2, RDS, Amplify), Postman, Git, Docker
- **Exposure:** Swift, Spring MVC, Hibernate, Ruby, Selenium, Figma, SAML, Jenkins, Elastic Search, Kubernetes

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>PROFESSIONAL EXPERIENCE

Brightcove | Software Engineer Intern | Boston, MA   Jan 2020 - May 2020
- Automated testing for Brightcove feature products, led the automation for Engage, built end to end(E2E) automation scripts with library TestCafe using Node.js and Appium, improved test performance by over 30%
- Configured automated CI/CD with Jenkins, provided 4X reduction in average deployment time of system
- Refactored old legacy code from Ruby to Javascript, managed the push notification API in Firebase for Engage
- Collaborated with cross-functional teams to build features, evaluated task performance, and metrics with Jira

Web Craft IT | Software Engineer | Indore, India   Mar 2018 - Nov 2018
- Integrated RESTful API endpoints over the server with AJAX, used Javascript and Angular 8 to build web apps
- Increased performance of the website by 20% utilizing AWS service tools EC2, RDS, CloudFront, and SEO
- Drove test automation for efficient workflow for the website and cross-browser testing in Gulp and Cypress

EngineerBabu | Software Engineer | Indore, India   Aug 2017 - Jan 2018
- Devised scalable iOS apps for iPhone/iPad through storyboard layout and UI design in Swift with Xcode
- Led project from ideation to commercialization for a mobile shopping app, attracted 50K+ users within 2 months used Core Data for data storage, AlamoFire for networking, and Google Analytics to review insights
- Designed highly interactive mobile app experiences with Figma to prototype functionality for iPhone/iPad

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>EDUCATION

Master of Science in Information Systems, *Northeastern University*   2019 - 2020
- Relevant Courses: Web Design and Tools, Algorithms, DevOps, Network Security, Software Testing, Database

Bachelor of Technology in Computer Science, *Amity University*   2013 - 2017
- Relevant Courses: Cloud Computing, System Design, Java Programming, Software Management, AI

>PROJECT WORK

Covid Tracker Application | Github/CovidTracker   Sep 2020 - Nov 2020
Covid Tracker dashboard which gives real-time update of the number of cases reached, recovered, and death in the area
- Devised a responsive Covid tracker dashboard with React.js listing total count of Covid cases, get real-time update and view stats of the current day, check daily counts increased, compare different statistics with 203 countries, used Chart JS for Bar Chart, Axios for fetch API, request and Material UI for visual animation

Online Book Store | Github/OnlineBookStore   Aug 2020 - Sep 2020
Web-based book store platform where users can browse through a different collection of books and place orders
- Initialized Amplify project into React application, added multiple amplify categories starting from authentication with AWS Cognito as main authentication provider along with IAM for multi auth application
- Stored public images in AWS S3 storage bucket, communicating to front-end with DynamoDB and GraphQL API
- Created 2 Lambda functions, payment and order, as pipeline resolvers to handle checkout functionality
- Verified orders placed using Stripe API and App Sync console for card payment service and authentication

Photo Editor | Github/PhotoEditor   Jan 2020 - Apr 2020
Photo editing tool for individuals to upload, edit their photos with different filters and email edited photo to friends
- Developed website photo editor app using Angular 8, Node, Express, and MongoDB, with users having options to use more than 10 different photo filters in the app, download and send edited photos to loved ones
- Built RESTful API endpoints in Node.js with Passport, BCrypt, and JWT for authentication, security, and login

Event Location Finder Using PSO | Github/PSO   Aug 2019 - Oct 2019
Event Location finder which helps users to calculate shortest distance path to take from a T station to event destination
- Optimized PSO with Dijkstra's to calculate the shortest path with 95% accuracy with multi-threading in Java