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DARSHAK MEHTA

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EDUCATION

University of North Carolina at Charlotte, Charlotte, NC **Dec 2018**
Master of Science in Computer Science GPA: 4.00
Thakur College of Engineering and Technology, Mumbai, India **May 2016**
Bachelor of Engineering in Computer Engineering GPA: 9.02/10

TECHNICAL SKILLS

Programming Languages and Web Technologies:	Java, JavaScript: ES6, HTML5, CSS3, Sass, Bootstrap, Android
JavaScript Frameworks and Libraries:	Node.js, Express.js, React, Redux, jQuery – AJAX
Database Technologies and Web Tools/Services:	MySQL, MongoDB, Webpack, Babel, Mocha, REST, MVC
Version Control & Software Tools/IDE:	Git, Jenkins, Tableau, Android Studio, Visual Studio Code

WORK EXPERIENCE

Software Engineer, Rally Health – San Francisco, California **March 2019 – Present**

- Developing backend services, models, schema and writing API for client to consume using Scala and NoSQL Database.
- Implementing browser compatible and accessible highly interactive user interfaces using Angular and Stylus.
- Writing UNIT tests and automation tests for both UI and backend services using ScalaTest, Jest and Robot Framework.
- Adopted Agile with pair programming & code reviews to ensure all accepted code is consistent, efficient & reusable.
- Providing Production support and extensive use of Splunk for log analysis and DataDog for Monitoring our Services.

Graduate Assistant, Advising Systems - UNC Charlotte, NC **Dec 2017 – Dec 2018**

- Analyzed undergraduate student data to predict outcomes for national clinical research trial called IPASS.
- Worked on building standalone application using JavaMail API to automate the process of mail merge.
- Contributed in writing script to aid in integration of advising systems using Java, XPath, and Selenium WebDriver.

Software Engineer, Vistaar Digital Communications, India **Jan – July 2017**

- Successfully developed AirWayBill for *expressrates* to save 3 minutes/bill & $0.08/paper by storing in the relational database using MySQL and included the functionality to print bill & generate barcode for Cargos using PHP & FPDF.
- Worked in a collaborative team of developers & testers along with business leaders, product owners & scrum masters.
- Followed Design Principles, Agile and utilized Asana as Project Management Tool and GitHub version control.
- Key player for developing mobile-first responsive web-design for *The Great Next* using CSS3, jQuery & Photoshop.

Software Engineer, JSquarebiz Solutions, India **June – Dec 2016**

- Implemented cross-browser compatible responsive website using Bootstrap & JavaScript to improve retention rate.
- Followed software development standards and best design principles like Consistency, Familiarity & Feedback.
- Designed Database for integration with server-side using PHP-MySQL & analyzed UI/UX design to improve usability.

ACADEMIC PROJECTS

BruTap (MongoDB, Express, React, Node.js, MVC, Heroku) **DEC 2018**

- React Table to render beer dataset with axios to handle browser & Node.js. React Router for managing the navigation.
- Express.js to build API using HTTP methods with Mongoose Models & deployed app on Heroku with mLab D/B service.

Swapping Auction (MongoDB, Express.js, EJS, Node.js, MVC, REST) **FALL 2018**

- Followed MVC Design Pattern to structure the web application & EJS Template Engine with use of Partials. Maintained the session of the web application and validation using Express. Cross browser compatible with Chrome and Firefox.
- Scaled the application by using NoSQL database structure to persist data with help of MongoDB using Mongoose ODM.

Light Rail Management System (MySQL, Agile) Project Documentation **FALL 2017**

- Implemented SQL database for Charlotte City, with complete process of booking tickets, checking schedules & routes.
- Designed Stored Procedures, Stored Functions and Triggers to automate the process of ticket validation.

Amelioration of K-Means Algorithm (Java, Node.js, MongoDB, AngularJS) **SPRING 2016**

- Enhanced K-means Data Clustering Algorithm by calculating initial centroids to provide better clusters, and reduce the number of iterations, thus improved time complexity to filter products based on rating; Video Link: https://goo.gl/tNh8da