

Krunal Mistry

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SKILLS:

- **Programming Languages:** C, C++, JavaScript (ES6), TypeScript, GraphQL, Java, SQL, HTML5/CSS3, Swift
- **Libraries and Frameworks:** React, Node.js, Express, Redux, Material-UI
- **Tools and Platforms:** Visual Studio Code, WebStorm, MySQL Workbench, Hadoop, AWS, MongoDB Atlas, Postman, Firebase, XCode, Arduino IDE
- **Other:** GitHub, BitBucket, Trello, Agile/Scrum Development, Mocha/Chai, Sinon.js, GraphQL, mongoose, ThreeJS, CocoaPods, MVC, Web Services (REST), AJAX, SendGrid

EDUCATION:

University of New Haven

West Haven, CT

Master of Science, Computer Science

January 2021

Relevant Courses

Data Structures, Algorithms, Java, C / C++, Python, Database, Web Development, Advance Web Development, iOS - Development, Cloud Computing, Enterprise Network Design.

CERTIFICATIONS:

- Udemy Certified Complete JavaScript (ES6) Course 2020 September 2019 - November 2019

WORK EXPERIENCE:

Backend Developer

Ahmedabad, GJ

Gayatri Elecmech Private Limited | Backend Team

January 2017 - November 2017

- Worked as a Backend Developer for the design and development of an application in **Node.js** Environment and **MongoDB**.
- Experienced in following an **Agile/Scrum** approach to the software development lifecycle in a highly collaborative environment, delivering functionality in two-week sprints.
- Responsible for developing unit tests and integration tests for **RESTful APIs** with **mocha** framework and **chai** library.
- Understanding of **Git** and **GitFlow** process.

PROJECTS:

Amusement Park iOS App

January 2020 - May 2020

- Wrote a unit test using **Test-Driven Development** methodology.
- Integrated **Firebase** with SwiftUI using the **CocoaPods** dependency manager.
- Used **SwiftUI** for Frontend development functionality of the storyboard in a more efficient way.

Amusement Park WebApp

January 2020 - May 2020

- Implemented a database model with automated tests using **Mocha/Chai** via Bitbucket CI pipeline
- Created Users, Rides and Tickets **APIs** with Strong Parameters middleware for different functionalities and tested them using **postman**.
- Integrated Express routes for creation, deletion, retrieval of the session with custom middleware functions for authenticating session.
- Used **Web Socket.IO** for user messaging features in the web application.

Personal Portfolio WebApp -v1

August 2019 - November 2019

- Developed Frontend using **React.js** and **Material UI** Framework.
- Used **Express** Server and connected to **MongoDB Atlas** database for the backend.
- Created functional Web Application with server-side validation and deployed using **Heroku**.

Google Play Store Analysis in Amazon EMR

August 2019 - November 2019

- Used **Hadoop** Map reduce to transform unstructured data to structured data and saved it in **Amazon DynamoDB** table.
- Launched **Amazon EMR** cluster and used a **HiveQL** script to process data stored in an **Amazon S3** bucket for output analysis.
- Used **Amazon QuickSight** for data visualization of output analysis results to deliver insights about analysis performed.
- AWS Services Used: Amazon EC2, EC2 Key Pairs, IAM, Amazon EMR, Amazon S3, DynamoDB, Hive, Hadoop HDFS