

# REDDEM KARAN REDDY

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## SUMMARY

Highly-skilled software development professional with 1 year of experience in software design, development and integration.

## TECHNICAL SKILLS

**Languages :** Java, JavaScript, C++, SQL  
**Web Technologies and Frameworks :** Node.js, Express.js, HTML, CSS, REST, Hibernate, Spring, React, Redux, AngularJS  
**Databases :** MongoDB, MySQL  
**Tools :** Google App Engine, Firebase, Git, Maven, Heroku  
**Operating Systems :** Windows, Linux

## EDUCATION

**Stony Brook University**, Stony Brook, NY *August 2016- December 2017*  
M.S. in Computer Engineering  
Graduate Coursework : Analysis of Algorithms, Network Algorithms & Analysis, Pattern Recognition, Mobile Cloud Computing, Advanced VLSI System Testing, Computer Aided Design  
**Nitte Meenakshi Institute of Technology**, Bangalore, India *September 2011- May 2015*  
B.E. in Electronics & Communication Engineering

## EXPERIENCE

**ITC INFOTECH LTD.** *July 2015 – July 2016*  
*Full-Stack Web Developer* *Bangalore, India*

- Worked as a full-stack web developer on a web based shipment tracking application for a leading logistics company.
- Implemented a real-time dashboard to allow users to track status of shipments and orders.
- Resolved critical bugs in the application to improve performance.

## PROJECTS - [github.com/karanreddy77](https://github.com/karanreddy77)

**React Video Player Application** *April 2018*  
*Technologies Used : React, Javascript*

- An application which allows users to search videos using a search bar and play it in an embedded inline frame in the application.
- The application provides a smoother interface compared to Youtube as it doesn't do a full-page load for each search.

**Chatroom Application** *August 2017 - September 2017*  
*Technologies Used : Node.js, Express, Passport.js, MongoDB, Heroku*

- Developed a chat room application which allows users to login using social authentication (Facebook or Twitter).
- Application allows users to create/join chat rooms and post messages and/or photos.

**Trackathon - Android Application** *April 2017 - May 2017*  
*Technologies Used : Android Studio, Java, NoSQL, Firebase, Google App Engine*

- Trackathon, an android application which can track a user's running route and store workout data.
- Firebase authentication was used for user authentication and Firebase real-time database to store user workout data.

**Email Web Client** *April 2017*  
*Technologies Used : Node.js, Express, Passport.js, MongoDB, Google Cloud*

- Implemented an email web client which uses Gmail API to send emails using pre-defined templates stored in the database to a list of users given in an excel file.

**PODEM - Automatic Test Pattern Generation for combinational VLSI circuits** *March 2017 - April 2017*  
*Technologies Used : C++*

- Implemented a baseline PODEM ATPG algorithm to find a test vector for each fault we need to detect in the combinational circuit and performed event-driven simulation to provide about 10x speedup.
- Applied several techniques to further optimize the runtime of the system and reduce the test set size.