

## WORK EXPERIENCE

- Intralot Inc, Java Developer** | Atlanta, GA Dec 2020 – Present
- Developed an application using **SpringBoot**, **Artemis** and **ActiveMQ** to receive instant feedback from terminal operators across many terminals operated globally, using which the existing application could be enhanced and turnaround time for new updates was reduced to 2 weeks from 4-6 weeks
- Industrie Reply, Software Development Consultant** | Boston, MA Feb 2020 – Nov 2020
- Successfully developed a pilot project aimed at reducing the latency of energy switch signal from 10ms to 2ms by upgrading to **Rsocket** from REST using **RedisGraph** instead of **Neo4j** on top of **Reactive Spring Boot** and by rendering the UI using **React**
- Northeastern University, Graduate Teaching Assistant** | Boston, MA Sep 2018 - Dec 2019
- Assisted Professor Ghita Amor in Fundamentals of computer science, a class comprising of 75 students from various branches
  - Graded assignments and reviewed code/projects developed by them using **core Java and MySQL**
- Philips, Co-op Software Engineer** | Boston, MA Jan 2019 - Aug 2019
- Collaborated with existing teams to migrate the Patient Monitoring Application to new platform based on **Spring Boot and React**
  - Used XML based configuration to wire the dependency components together and to define bean classes
  - Increased efficiency of daily jobs by **75%** by implementing a custom caching mechanism algorithm to load data from database
  - Explored Spec-Flow reporting features to efficiently log the behavior of integration and unit tests to accurately pinpoint failures
  - Developed UI verifier tool in **React JS** to view the nodes of the application in a hierarchical tree structure
- Deloitte Tax, Software Engineer** | Hyderabad, India Oct 2016 - Aug 2017
- Led a team of 3 analysts to automate an application in **Java** to translate income tax form into five different languages, **saving 300-person hours/month** helping Deloitte gain **20 new clients**
  - Created an application in **Java** to pre-fill XML-data in tax-form using historical data, **saving 50-person hours/week**
- Infosys Technologies, Systems Engineer** | Hyderabad, India Oct 2014 - Oct 2016
- Designed an **"Impact Analysis Tool"**, using **C#, SQL-SERVER and React**, to identify code snippets having an object reference across application, **saving 40-person hours/week**

## TECHNICAL SKILLS

Languages:	Java, C#, Scala, JavaScript, SQL
Web Technologies:	ASP.NET, ReactJS, Redux, Node JS, Spring Boot, RSocket, RESTful web services, Reactive Spring
Tools:	Git, Jira, TFS, SonarQube, Postman, MYSQL Workbench, IntelliJ, Eclipse, Visual Studio
Frameworks:	Spring MVC, Apache Spark, Hadoop Map Reduce, Amazon Web Services, Mockito

## EDUCATION

- Northeastern University, Boston, MA** Sep 2017 - Dec 2019
- Khoury College of Computer and Information Science**  
*Master of Science in Computer Science*  
 Related Courses: Algorithms, Parallel Data Processing, Web Development, Database Management System, Software Development
- Gujarat Technological University, Ahmedabad, India** Jun 2010 - May 2014
- LD College of Engineering**  
*Bachelor of Engineering in Computer Engineering*

## ACADEMIC PROJECTS

- Multi-User Client Server Chat Application** (<https://github.com/manikantha92/Multi-User-Chat-App>) Nov 2019 - Dec 2019
- Designed and developed a multi-threaded standalone chat application in Spring Boot, using Java, JPA, MySQL Database
  - Implemented custom algorithm achieving **100% accuracy** to have **parental control** which will ban users for usage of foul language
  - Followed scrum methodology to implement Factory, Singleton, Adapter and observer design patterns
- It's Showtime** (<https://github.com/manikantha92/CS5200-summer2018-conceptsquid>) Oct 2019 - Dec 2019
- Developed a **Movie ticketing application** using React on Front-end and Spring Boot on backend and ShowTime's API for data
  - Integrated PayPal Sandbox to securely develop a Payment gateway and an email notification system for transactions
  - Deployed the application on an EC2 instance of AWS using AWS-RDS database to store data and logs
- Bibliographic Data Analysis** (<https://github.com/manikantha92/Bibliographic-Analysis>) Nov 2018 - Dec 2018
- Implemented PageRank Algorithm to manage spider web to find out most cited Paper from approximately **2.5 million** Papers
  - Designed a citation matching algorithm using **KNN algorithm** resulting in 95% accuracy for prediction of future citations
- Twitter User Analysis** (<https://github.com/manikantha92/Twitter-User-Analysis>) Oct 2018 - Nov 2018
- Accomplished a purpose of finding unique social triangles in a dataset consisting of over **85 million** edges utilizing **Reduce side Join and Replicated Join algorithms** along with **equijoins** in Hadoop and Spark
  - Achieved a scale up of 0.9 by executing program on **AWS Elastic Map Reduce** using 11 worker nodes