

Darshan Dedhia

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EDUCATION

Northeastern University

Master of Science in Information Systems

Boston, MA

December 2021

University of Mumbai

Bachelor of Engineering in Electronics Engineering

Mumbai, India

June 2015

TECHNICAL SKILLS

Languages: Java, Javascript, Go

Web Technologies: Node.js, HTML, CSS/SASS, Angular, AngularJS, RxJS, Socket.IO, Spring, Hibernate

Database: SQL, PL/SQL, Oracle Database, MongoDB, MySQL

Tools and Cloud Technologies: Git, Maven, Splunk, Amazon Web Services (AWS), CircleCI, Terraform

WORK EXPERIENCE

SS&C Eze Softwares

Boston, MA

Software Developer Coop, Eclipse Cloud Trading R&D

June 2020 – December 2020

- Developed new features of Suspensions for Eclipse Cloud trading products using microservices architecture and technologies like AngularJS, Go, RabbitMQ, AWS, Splunk, etc.
- Reduced memory footprint of AngularJS application from 450MB to 25MB by finding and resolving memory leaks
- Improvised the test coverage of several microservices from around 70% to over 85%, resulting in more stable and error free code deliveries

Tata Consultancy Services Ltd.

Mumbai, India

Software Developer, TCS BaNCS, Securities Trading - Risk

March 2016 – August 2019

- Mentored and led a team of 4 juniors to develop features for fully automated securities trading platform using technologies like VB.net, PL/SQL and VB6
- Implemented Smart Order Routing algorithm by evaluating best bargain discovery which resulted in increased gains by finding the most profitable trades with improved probability of executions
- Improvised trade handling capacity of Risk Management System by analyzing workload reports, explain plans and optimizing queries. Benchmarked 1 million trades per day from earlier capacity of handling 300,000 trades per day
- Devised system automation to identify and delete dormant customer data that brought down tuple count from 30 million to 3.6 million. This reduced Net Liquidation Value calculation time from 25 minutes to less than 7 minutes
- Improvised Start of Day and End of Day cron jobs by distributing main process into various tiny batches. Built intelligence for organized process execution and to automatically detect and resolve erroneous data

PROJECTS

Expense Splitting Application | Angular, Spring, Hibernate, MySQL, HTML, CSS

Spring 2020

- Designed expense splitting application for managing expenses, shares and settlements, individually and in groups by writing frontend in Angular using Material UI and implementing RESTful service using Spring and Hibernate

AskHusky | Angular, Node.JS, MongoDB, HTML, CSS

Fall 2019

- Collaborated in group of four to develop question answer portal for university students where students can ask doubts and get answers from peers. Implemented Login/Signup, adding question and maintaining votes features

Book store on AWS Cloud | Angular, Node.JS, Sequelize ORM, AWS Services, Terraform

Summer 2020

- Designed fault tolerant web application hosted on AWS cloud using IAAS services like EC2, EBS, ELB, Route53, IAM, RDS, and S3. Implemented IAAS using Terraform and CI/CD using Github, CircleCI and CodeDeploy

HONORS, AWARDS AND RECOGNITION

- Received over **8 awards** and several appreciation from clients during the tenure at Tata Consultancy Service Ltd. for customer centricity, ownership and simplistic innovations
- Selected as the **2nd winner amongst 250 participants** at Codepath Fall 2020 Demo Day for developing android app to help users develop, share, and track individual habits with their friends
- Recognised for contributing in benchmarking performance of sorting algorithm with authors R. C. Hillyard, Yunlu Liao Zheng, and Sai Vineeth K. R. *HuskySort*. Northeastern university, Boston, MA, 2020