REBECCA BIJU

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EDUCATION

Northeastern University, Boston, MA | **CGPA: 4.0**   Expected May 2024
Master of Science in Information Systems
Related Courses: Web Design & User Experience, Application Engineering & Development, User Experience Design & Testing, Network Structures & Cloud Computing

K. J. Somaiya College of Engineering, Mumbai, India | **CGPA:** 3.85/4   Sep 2020
Bachelor of Technology in Computer Engineering
Related Courses: Object-Oriented Programming, Data Structures, Analysis of Algorithms, Machine Learning, Cloud Computing

TECHNICAL SKILLS

Programming Languages : Java, Python, HCL, SQL, Dart, C, C++
Web Technologies   : HTML, JavaScript, React, Redux, Node.js, CSS, Bootstrap, jQuery, Express, Socket.io, MaterialUI
Tools & IDE   : Git, Adobe InDesign, Jest, SVN, IntelliJ, Eclipse, Terraform, AWS (VPC, EC2, RDS, S3, CloudWatch, IAM, KMS, Autoscaling, Load Balancer), Packer, GitHub Actions, Android Studio, Figma, Bash
Databases   : Oracle, PL/SQL, MongoDB, JSON, PostgreSQL, Firebase
Operating Systems   : Windows, Linux, macOS

PROFESSIONAL EXPERIENCE

Associate Software Engineer | Oracle Financial Services Software Limited | Mumbai, India   Oct 2020 - Aug 2022
- Handled customization projects in an agile environment for a large corporate bank across 3 worldwide branches
- Enhanced funds' transfer, bills & core module & worked on generating SWIFT messages leveraging OOPs concepts in Java
- Redesigned user interface, minimizing data entry errors by 80% & coded logic for enhanced security & access control
- Automated codebase migration to support RESTful API, resulting in 65% increase in process efficiency compared to manual methods
- Managed regular backups and ensured version control for over 10,000 lines of production code utilizing SVN version control system

Back-end Developer Intern | Klatch Media | Mumbai, India   Aug 2020 - Sep 2020
- Constructed a productivity tracking Chrome extension, reporting users' activity data & boosting daily productivity by over 35%
- Developed RESTful API for user activity tracking with Node.js and GraphQL, enabling effective productivity monitoring & analysis

Web Developer Intern | Manifest Solution | Mumbai, India   Dec 2018 - Mar 2019
- Implemented real-time updates for the Admin dashboard of 'Transport Tracker' using Socket.io & Node.js
- Provided stakeholders with parameters like speed, route & expected arrival time of school bus, contributing to real-time oversight
- Optimized driver punctuality by 25% through effective code implementation and monitoring parameters of 15 school buses

PROJECTS

WebApp | Network Structures and Cloud Computing Project (*Node.js, Express, PostgreSQL, AWS, Terraform, Jest*)   Apr 2023
- Developed a highly scalable RESTful API for a Cloud Native application, handling thousands of concurrent requests effortlessly
- Deployed RESTful API on AWS with Terraform involving S3, RDS & EC2 instances using a custom AMI built with Packer to optimize server setup time, reducing deployment time by 50%
- Modeled custom GitHub Actions to setup CI/CD pipelines for streamlining API delivery & used Jest for Unit Testing
- Monitored application logs with Amazon CloudWatch with automated alerts based on specific thresholds within application metrics

Editor Hive - Collaborative Editing | Web Design and User Experience Project (*MERN Stack, Redux, Socket.io, QuillJS*)   Dec 2022
- Facilitated collaborative editing of documents for up to 10 members with an average turnaround time of 48 hours
- Implemented a task checklist in a shared document leveraging Redux, improving productivity & task tracking by 55%
- Created a responsive interface with Material UI & chat system within document, increasing collaborative efficiency by 40%

Stubber Website Application | Smart India Hackathon (*Node.js, Express, MongoDB, HTML, CSS, JavaScript, React*)   Aug 2020
- Collaborated with 5 people to facilitate stubble collection from farmers through the website application
- Built an SMS service utilizing Fast2SMS API, enabling farmers to share harvesting status & schedule a pick-up for stubble, reducing wait time by 60%
- Launched the website, allowing consumers to bid for stubble, resulting in a 75% reduction of waste disposal costs

ACHIEVEMENTS & EXTRA-CURRICULAR ACTIVITIES

- Finalist in Smart India Hackathon (2020) & an all-women's (WMN) Hackathon organized by Devfolio (2019)
- Led a team of 10 people as the Marketing Secretary at MakerMela, & raised sponsorship deals for India's largest Maker gathering. Also involved in event management & public relations during the three-day event (June 2017 - April 2018)
- Learning German Language (B1 Level)
- Founded a food & travel blog having around 22,000 followers, to help local businesses increase brand presence & visibility