

REBECCA BIJU

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EDUCATION

Northeastern University, Boston, MA | **GPA: 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, Advanced Cloud Computing, Software Quality Control & Management
- **Husky Systems Code:** Organizing Committee Member, Graduate Women in Engineering Student Organization

K. J. Somaiya College of Engineering, Mumbai, India | **GPA: 3.85**

Sept 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, ES6, React, Redux, Node.js, CSS, Bootstrap, jQuery, Express, Socket.io, MaterialUI

Tools & IDE : Git, Adobe InDesign, Jest, SVN, IntelliJ, Eclipse, Figma, Bash, Postman, JMeter

Cloud & DevOps : Terraform, Ansible, AWS (VPC, EC2, RDS, S3, CloudWatch, IAM, KMS, Autoscaling, Load Balancer), Packer, Nginx, GitHub Actions, Kubernetes, Docker

Databases & OS : Oracle, PL/SQL, MongoDB, JSON, PostgreSQL, Windows, Linux, macOS

PROFESSIONAL EXPERIENCE

Associate Software Engineer | Oracle Financial Services Software Limited | Mumbai, India

Oct 2020 - Aug 2022

- Collaborated with cross-functional teams for customization projects in an agile environment for a large corporate bank across 3 worldwide branches, demonstrating effective verbal communication & problem-solving skills
- 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 & 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 - Sept 2020

- Constructed a productivity-tracking Chrome extension, reporting users' activity data & boosting daily productivity by over 35%
- Implemented authentication & authorization mechanisms with JWT & Bcrypt hashing, ensuring 100% secure user data environment
- Developed RESTful API for user activity tracking with Node.js & GraphQL, enabling effective productivity monitoring & analysis

Full Stack Engineer Intern | Manifest Solution | Mumbai, India

Dec 2018 - Mar 2019

- Engineered a real-time dashboard (React & Node.js) for performance metrics, optimizing punctuality & transportation efficiency
- Leveraged MongoDB for data management (bus routes, drivers, schedules), achieving 20% fewer scheduling errors
- Integrated Google Maps API for live tracking, accessing precise geolocation data of buses, improving drivers' punctuality by 15%

PROJECTS

WebApp | Network Structures & Cloud Computing Project (*Node.js, Express, PostgreSQL, AWS, Terraform, Jest*)

Apr 2023

- Developed E-Commerce application with Base64 authentication for security, handling thousands of concurrent requests effortlessly
- Deployed RESTful API on AWS with Terraform involving S3, RDS & EC2 instances with encryption by KMS, using a custom AMI built with Packer to optimize server setup time, resulting in 50% reduction in deployment time
- 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 & User Experience Project (*MERN Stack, Redux, Socket.io, QuillJS*)

Dec 2022

- Facilitated collaborative editing of documents with Socket.io for up to 10 members with an average turnaround time of 48 hours
- Implemented a task checklist in a shared document leveraging Redux Toolkit, improving productivity & task tracking by 55%
- Created a responsive frontend with React & Material UI & a 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

- Constructed a Full-Stack (MERN) website application empowering stubble collection from farmers to reduce air pollution
- Built an SMS service utilizing Fast2SMS API, enabling farmers to share harvesting status & schedule a pick-up for stubble, reducing wait time by 60%
- Orchestrated Docker containerization, cutting deployment time by half & resulting in a 75% reduction in waste disposal costs

ACHIEVEMENTS & LEADERSHIP ACTIVITIES

- Led a team of 10 people as Marketing Secretary at MakerMela, raised sponsorship deals, managed event logistics & PR
- Founded a food & travel blog having around 22,000 followers, to help local businesses increase brand presence & visibility