

# Rushikesh Dalvi

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## EDUCATION

**Northeastern University | MS in Computer Software Engineering, Boston (MA)** **May 2024**

*Coursework: Data Structures and Algorithms, Cloud Computing, Application Engineering Development, Web Development*

**Sinhgad Academy of Engineering | BE in Electronics and Telecommunication, India**

**May 2018**

*Coursework: Computer Networks, Embedded Systems, MATLAB, Data Structures and Algorithms*

## SKILLS

**Programming Languages:** JavaScript, Java, Python, Kotlin, Typescript, C, C++  
**Backend & Databases:** Node.js, SQL, PL/SQL, MongoDB, Oracle, PostgreSQL, Redis  
**Frontend Technologies:** HTML, CSS, Tailwind CSS, Bootstrap, SASS, React, AngularJS, Express  
**Cloud Services:** IAM, S3, EC2, Lambda, Elastic Search, SQS, SNS, CloudWatch, Docker, RDS, Terraform, Pulumi  
**Application Software/OS:** JIRA, Git, GitHub, Bitbucket, Excel, Jenkins, SharePoint, Figma, Balsamiq, Postman

## WORK EXPERIENCE

**Software Development Intern, IpserLab, California**

**Sept 2023 - Present**

- Elevated user satisfaction by 70% through the migration of web pages from jQuery to React, ensuring enhanced flexibility and fault tolerance with focus on optimizing Tomcat servers to reduce server downtime
- Orchestrated Tomcat servers for project deployment, ensuring reliable server operations resulting in decreased server downtime by 30%

**Full Stack Developer | Tech Mahindra, India**

**Oct 2019 - Dec 2021**

- Introduced wide use of **React** reusable components and **React hooks** for news web applications, resulting in a 35% decrease load time and improvement in user experience while migration from **Angular** to **React**
- Created 30+ APIs to cater to the user (registration, verification) using password encryption and document (upload, read, delete) and hosting applications with GraphQL APIs to query and mutate data from **DynamoDB**
- Achieved API consumption using **hooks** and designed browser-compatible pages using **Bootstrap**, Material UI with server-side rendering by **Next.js** to improve faster load time by 20%
- Streamlined the next version of the web application, incorporating new user design and features in Next.js, **Material UI**, **Charts.js**, React Hooks, Routing, and React, resulting reduction of reported bug issues by over 15%
- Upgraded an AI-powered chatbot that increased customer engagement by 40% and reduce customer support cost by 30% for AT&T, earning two **Pat-Onback** awards for giving maximum contribution within a team
- Guided a team of 6 freshers through personalized front-end development exercises, also facilitated discussions on Agile methodologies using practical JIRA tickets and shared progress on daily scrum calls

**Asset Tracker | Software Developer | Tech Mahindra, India**

**Mar 2019 – Oct 2019**

- Delivered an Asset Tracker Application using **JAVA & Kotlin** versions of the application to improve performance by 22% and interacted with the agile team on calls after each sprint to design convincing solutions

## ACADEMIC PROJECTS

**Webapp (Nodejs, SQL, Git, Restful API, Linux, DevOps)**

**Jan 2023 – May 2023**

- Built a 3-Tier restful service in **AWS** using a cloud formation template to produce **VPC**, **S3** for file storage, **RDS** database, and storage infrastructure with integrating **SNS** for email verification increasing the application security
- Developed **CI/CD** pipeline using GitHub actions to trigger packer and generated **AMI** to run web application
- Integrated cloud watch to monitor **EC2**, CPU memory to set triggers for ALB scale-in and scale-out policies, with application **Load Balancer** to scale in/out according to the user traffic to handle requests concurrently

**Student Housing Management (J Charts, Java Mail, DB4O).**

**May 2022 – Dec 2022**

- Innovated a housing network application to help students by offering a platform where students can register for housing services targeting 70% of students in Northeastern University
- Implemented a network by collaborating with different organizations with the help of object-oriented programming concepts and design patterns using accurate model with the **DB4O** database and **JAVA** Mail

**Travel Globe (MongoDB, Express.js, React, Node.js)**

**Jan 2022 – May 2022**

- Developed a travel website using MERN stack, incorporated features such as user authentication, third-party API integration, responsive web pages and interactive maps to enhance the user experience