

Devika Mujgule

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EDUCATION

Northeastern University

MS - Information Systems (GPA: 3.7/4.0)

Coursework: Web Development, UX Design, Data Structure and Algorithms, Object Oriented Programming

Boston, MA

Sept 2021 - Dec 2023

Pune University

BE - Computer Science and Engineering

Pune, India

Sept 2014 - May 2018

WORK EXPERIENCE (3.5 Years)

Spruce Holdings

Front-End Engineering Co-op

New York City, NY

May 2022 - Jan 2023

- Developed **reusable UI components** for the web app using **React** and **TypeScript** to align with Spruce's custom design system, resulting in a 35% increase in end-user engagement
- Collaborated** with a Staff Engineer, Product Manager and Backend team to migrate legacy **Ruby on Rails** page to React, utilized **memoization** to improve load time up to 40%
- Integrated **Storybook** for component-based development, streamlining the process of designing, documenting, and testing individual components.
- Implemented Test Driven Development (**TDD**) using **Jest** testing framework to write tests before creating React components resulting in a 50% improvement in code robustness and quality
- Engineered a dashboard page with **AJAX**, **Redux** and feature flag to monitor 500+ insurance cases and access histories that increased productivity by 25% for 8+ teams
- Streamlined **CI/CD** pipelines with **CircleCI**, **Git**, and **Docker**, resulting in a 50% reduction in deployment time
- Adapted to Scrum and **Agile** in fast paced **startup** environment, delivering 100% of committed tasks on time in 16+ sprints

VIAVI Solutions

Software Engineer

Pune, India

Oct 2018 - Aug 2021

- Engineered a product inventory web app using **JavaScript**, **HTML/CSS** and **PL/SQL** supporting 100+ Operations department users; streamlined and improved product release task efficiency by 88%
- Mentored** four interns in integrating **UiPath**, **Python**, and Oracle DB for automated financial reporting, enhancing notification efficiency to stakeholders by 45%
- Designed and developed **custom UI themes** for 3+ web apps using **CSS** and **JQuery** to support unique product needs, increasing user engagement by 48%
- Transformed Excel-based **finance data** process into a **dynamic web application** using Oracle APEX, **Java**, and **JavaScript**, featuring automated email notifications and built-in chat, reducing manual Revenue tasks by 80%
- Optimized **large datasets** 5+ web apps using advanced **SQL** procedures, indexed views and triggers, resulting in a 30% reduction in **data retrieval** time and a 20% improvement in database performance metrics

ACADEMIC PROJECTS

REST API and Indexing - [GitHub](#) | [Node](#), [Express.JS](#), [Elastic](#), [Ajv Schema](#), [Redis](#), [OAuth 2.0](#)

Sept 2022 - Dec 2022

- Programmed a highly secure web **REST API** using **OAuth 2.0** to prevent unauthorized access attempts
- Implemented advanced **HTTP** CRUD operations, including merge/patch functionality and cascaded delete support, resulting in a 20% increase in overall efficiency for data management
- Developed semantic programming features for conditional updates and **caching** with Redis, resulting in a 40% improvement in data retrieval speed and a 25% reduction in server load.
- Optimize data storage** and querying with **key-value** storage, **Elasticsearch**, and RabbitMQ.

Events Tracker - [GitHub](#) | [React](#), [Redux](#), [Axios](#), [NodeJS](#), [Tailwind](#), [Google Sign-in](#), [Figma](#)

Oct 2021 - Dec 2021

- Developed a responsive web application using **Reactjs**, **Tailwind**, and **node.js** to aggregate all the events happening in Boston, MA, resulting in a 30% increase in user engagement and satisfaction
- Implemented Google Sign-In functionality to streamline user authentication, sign-up, and registrations
- Designed the **UX and UI mockups** for the application using **Figma**, reducing development time to 80%

SKILLS

Programming Languages: JavaScript, ES6, TypeScript, Java, HTML, CSS, Python

Databases: MongoDB, Redis, Oracle DB, Microsoft SQL Server, PostgreSQL, SQL, PL/SQL

Frameworks and Libraries: Node.js, Express, React.js, Vue, Three.js, Redux, Axios, GraphQL, Styled-Components, Formik, Yup, Mongoose, Jest, RESTful API, Webpack, Vite, SCSS, Tailwind, Postman, CircleCI, Git, GitHub, Jira

Design: Figma, Canva, User experience, User research, Adobe Photoshop, Adobe Illustrator