

SONALI MAHENDRAKAR

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EDUCATION

George Mason University

Master's in Computer Science (GPA: 3.8/4)

Fairfax, VA

Aug 2022 – Dec 2023

Jawaharlal Nehru Technological University

Bachelor's in Computer Science (GPA: 3.9/4)

Hyderabad, India

2018-2022

SKILLS

Languages & Databases: Java, Python, JavaScript, HTML, CSS, SQL, C++, C, XML, Oracle, C#

Tools & Frameworks: ReactJS, Angular, NodeJS, Spring Boot, MongoDB, REST APIs, TypeScript, Tableau, Power BI, Azure, AWS (S3, EC2, RDS), jQuery, SQL Server Databases, Cucumber, Selenium, GitHub, Kubernetes.

Concepts: OOPs, Data Structures and Algorithms, DevOps, Agile/Scrum, SDLC, STLC, Defect Life Cycle.

Operating Systems: Windows, Linux

IDE & Environment: Eclipse, IntelliJ, Visual Studio, Sublime Text, Pycharm.

Certifications: Python, Machine Learning, Java.

PROFESSIONAL EXPERIENCE

Cognizant Technological Solutions

Hyderabad, India

SOFTWARE ENGINEER | Java | AGILE | Selenium | JavaScript | Cucumber | Jenkins | React

Mar 2022 – Aug 2022

- Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (SDLC) and used agile methodology.
- Worked on both the back-end and front-end of systems and catered to both user experience and functionality in projects.
- Wrote clean, functional code on the front and back-end and assisted in the design and creation of scalable software.
- Design, develop and test HTML5, CSS3, Bootstrap, JavaScript, jQuery, ReactJS that meets accessibility and web browser standards for websites.
- Involved in web and standalone application using React and Spring framework
- Enterprise Notification System: Developed and tested automated emails through the AEM tool and maintained it in SVN and its data using Oracle SQL Developer. While leading a team of 4 in an agile environment for a Data-Driven framework.
- Worked in 3 modules for thousands of users worldwide using Java, Selenium, and TestNG.
- Created a pipeline in Jenkins to reduce 30% redundant tasks and performed problem resolution with root cause analysis.
- Performed database validation in Oracle SQL Developer to increase the accuracy of data by 25%.
- Actively contributed to daily stand-ups, demos, retrospectives, refinements, Go/No-Go, sprint, and PI plannings.
- Pricing in FedEx: We utilized JavaScript, Cucumber, and Protractor to design and test a FedEx GUI to generate pricing and agreements of clients, for various countries.
- Utilized Apache Version One to maintain and track progress in an agile environment. Also mapped API, using Postman for Behavioral-Driven framework.
- Tested and fixed bugs or other coding issues and ensured responsiveness and efficiency.

VERZEO

Bangalore, India

SOFTWARE ENGINEER INTERN | Java | AGILE | Spring Boot | React | JavaScript | UI

January 2020 – Aug 2020

- Responsible for development and maintenance of Skillmonks.com an educational platform that connects students and instructors and EDZE.in an Institute Management Software (IMS).
- Developed UI and services to enable collaboration boards per course and integrated with IMS to support seamless course collaboration between students and instructors using Java, Spring boot.
- Collaborated with clients to develop landing pages, custom analytics tools and integrated with the App UI flow.
- Used React JS for creating reusable UI components and Redux for state management and implemented application testability and diagnostics and fixing bugs with the help of REDUX(Reducers) architecture.
- Responsible for implementing UI mockups, integrating third party REACT libraries, and handling/ creating Redux store data.

PROJECTS

Student Survey Form

GMU, USA, 2023

- Created a front-end and back-end application in React and Node.js, including an HTML & CSS survey form and used an AWS RDS database to store data from the form. Then, for the front and back ends, I produced two Docker images. Then we started rancher to construct a Kubernetes cluster on an AWS EC2 instance

Feature Engineering for Election Results Prediction

2022

- Developed a Machine Learning model to predict the outcome of General Elections by performing Feature Engineering techniques to obtain better efficiency. https://ijirt.org/master/publishedpaper/IJIRT155644_PAPER.pdf

Dynamic Angular Spring Boot application

Verzeo, 2021

- Designed, developed and customized a highly scalable Student Whiteboard that consumes REST API for Authentication, feedback and data tracking services.