

EDUCATION

Master of Science - Computer Engineering

Arizona State University, Tempe, AZ

Bachelor of Technology - Electronics & Communication Engineering

Maulana Azad National Institute of Technology, Bhopal, India

TECHNICAL SKILLS

Programming Languages: JavaScript, Hapi.js, Node.js, HTML5, CSS, Bootstrap, C, C++, SQL

Frameworks & Tools: React.js, Docker, Jenkins, Spinnaker, Vscode, GIT, JIRA

Database & Cloud: MySQL, MongoDB, AWS, PostgreSQL, Google cloud.

Miscellaneous: Data Structures & Algorithms, OOPS, DevOps, Agile.

PROFESSIONAL EXPERIENCE

Software Developer, Lowe's

September 2024 - Present

- Led migration of consumer facing web page collaborating with cross-functional teams enhancing visual appearance improving overall experience.
- Implemented responsive design principles ensuring the page is mobile optimized, and integrated new features and conducted A/B testing to validate changes.
- Developed the Schedule Measurement component for blinds using React.js, Redux, and JavaScript, providing a smooth and efficient user experience for customers configuring blinds.
- Utilized JIRA for tracking issues in an Agile environment and Confluence for tracking updates.
- Provided critical support during peak sale seasons, managing high customer traffic, ensuring system scalability and performance stability.

Software Developer, One Drug, ASU

June 2024 - September 2024

- Developed Interactive web applications with React and SpringBoot increasing client engagement by 40%.
- Implemented PostgreSQL database, reducing latency by 20% and improving data reliability.
- Translated UI/UX figma design mockups into visually appealing interfaces, focusing on optimizing performance and responsiveness for seamless user experience.

Software Engineer, Capgemini

August 2019 – August 2022

- Developed highly efficient, responsive search interfaces and custom components for the web application using ReactJS, JavaScript and Redux resulting in a decrease in search query response time and improved user experience.
- Spearheaded the end-to-end product development from requirement gathering to successful deployment for features used by 25 million customers, resulting in a 30% increase in user engagement and boost in customer satisfaction rates.
- Applied Redux to build a central store for state management, which enables different components to access different actions and states.
- Enforced and monitored end to end process by using Cucumber automation testing infrastructure, debugging, fixing production issues, and deployments using the spinnaker pipeline.
- Played a key role in System Design and Planning of the stage 3 project and led offshore team.
- Implemented and maintained front-end web applications, resulting 30% reduction in loading speeds and conversion rates by utilizing React.js
- Implemented micro-frontend architecture, to ensure reusability and efficiency.
- Maintained Clear communication across cross-functional teams and continuously upgraded skills through learning initiatives and knowledge sharing sessions.
- Used Node.js to structure JavaScript code to build Restful web services and endpoints.
- Handled the role of scrum master for a quarter, administered and organized Agile processes including Sprint planning, daily scrum calls, sprint reviews and retrospectives and improved the processing gaps across teams.

PROJECTS

Image Recognition as a Service using AWS

- Designed and created a scalable cloud application providing Image Recognition as a service, leveraging AWS cloud IaaS resources.
- Employed AWS EC2 to deploy an image classification model, utilized AWS S3 for data storage and AWS SQS for automated scaling.
- Implemented an elastic system on AWS EC2 instances that automatically initiate, perform image classification tasks based on queue input volume, and then shut down within 30 seconds to optimize resource utilization.

Emotion Based Music Player.

- Built a music player with necessary features such as play, pause, skip, reshuffle using React.js that plays songs on the basis of mood of the user and significantly enhances it by 60%.
- Deployed python file containing fuzzy logic on an AWS instance and leveraged backend technologies to retrieve and process data efficiently.

LEADERSHIP & ACHIEVEMENTS

- Managed a team of 4 people during project development, guiding them in handling delivery objects and achieving successful delivery. Received **Project Star** award for my contribution at Capgemini.
- Handled the role of head student volunteer in the Training and Placement cell of NIT Bhopal.