

RONAJ PRADHAN

6057287633, USA

ronaj.pradhan@gmail.com

<https://www.linkedin.com/in/ronaj-pradhan-9728681ab/>

<http://ronaj-portfolio.s3-website-us-east-1.amazonaws.com/>

PROFESSIONAL EXPERIENCE

Upaya Technologies Pvt. Ltd

January 2019 - August 2021

Frontend Software Developer

- Maintained landing pages related to e-commerce and network service providers using React 15.6 and Redux 4.9.2 along with Bootstrap 4, SASS for Cascading Style Sheets (CSS) resulting in a 30% increase in user engagement as measured by Google Analytics.
- Collaborated with UX designers and product management teams to develop responsive mobile first user interface, ensuring a seamless user experience across mobile and desktop devices ensuring cross-browser compatibility that cut development time by 60%.
- Helped startup to acquire 7-9 clients by transforming design mockups into complete front-end web applications which showcased responsive and engaging user experience driving revenue generation of \$75000 in 6 months.
- Led the migration from JavaScript to TypeScript, improving code readability which reduced debugging time by 12% and observed increased runtime performance of 8%.
- Optimized codebase by testing, minimizing development dependencies/packages/images, implementing lazy loading, removing CDN's and memory leaks which decreased number of DOM updates up to 25%.

Upaya Technologies Pvt. Ltd

August 2021 - August 2022

Software Developer

- Carried out the development and maintenance of role-based employee's management portal using Java, Spring boot backed by SQL Server 2018.
- Implemented JUnit 5, Mockito and Log4j to conduct comprehensive testing of each component, guaranteeing proper functionality and achieving 95% test coverage.
- Researched and implemented proof of concepts using services and technologies new to the company and assisted to evaluate potential future uses within the company.
- Experience with different AWS services, EC2 instances, RDS, S3, and IAM which resulted in an average projected expense reduction of 20%.

University of South Dakota

August 2022 - December 2023

Graduate Research Assistant

- Conducted research to identify potential Tuberculosis in chest X-ray medical images using deep learning models of graph neural network, resulting in an improved AUC score of 6%, published in conference proceedings of RTIP2R 2023.
- Devised a framework to transform medical image data into super-pixel images using the SLIC algorithm and encoded this data into a graph dataset utilizing University's High-Performance Computing (HPC) which reduced training time by approximately 85%.

SKILLS

- Programming Language: JavaScript, TypeScript, Java, Python
- Database Management: MySQL, SQL, Google Firebase
- Web Development: HTML5, CSS3, SASS Preprocessors, DOM, React, Redux, NodeJS, JSON, npm/yarn, Jest
- Java Technologies: Java Beans, Hibernate, JDBC, Spring MVC, JPA, Spring-boot, XML, JUnit
- Other Technology: Postman, Maven, JWT, JIRA, Docker, AWS, Browser Dev Tools, Git, Github

PROJECTS

- **Clothing E-commerce Web App** (*Web Development, User Interface, User Experience*): Implemented a mobile first responsive design which showcases product catalog, landing page, checkout/payment, and authentication for user registration. *Tech: Typescript, React, Redux, SCSS, Google (Firebase)*. Link: [Github](#) | [Live](#)
- **Role based Management System** (*Web Development, Security, Authentication*): Developed a role-based access control system with spring security for employee portal/profiles executed through RESTful APIs and AJAX to fetch and store data. *Tech: Java, Spring-boot, React, Bootstrap, MySQL, JavaScript*. Link: [Github](#)

EDUCATION

University of South Dakota

Vermillion, SD, USA

Master of Science in Computer Science

August 2022 - December 2023