

RAMYA DEVIE SARAVANA BHAVA

Natick, MA • (508) 310-8676 • ramyadevie.s@gmail.com • [LinkedIn](#)

EDUCATION

Northeastern University, Boston, Massachusetts Master of Science in Information Systems Coursework: Application Engineering & Development, Web Design/ User experience engineering, Data Management & Database design, Program structures & algorithms, Data science engineering methods, Network structures & cloud computing, User experience design/testing, Software quality control & management	May 2024
MEPCO Schlenk Engineering College, Sivakasi, India Master of Engineering in Power Electronics and Drives	May 2017
Sri Sairam Institute of Technology, Chennai, India Bachelor of Engineering in Electrical and Electronics Engineering	Apr 2014

SKILLS & OTHER

Languages: Java, JavaScript, HTML, C, C++
Frameworks: Next.js, React, Express, Node.js, Bootstrap
Tools: git, Postman, Figma, Moqups, Selenium, UFT, VSCode, Jenkins, Power BI, Google Analytics
Databases: MySQL, Oracle SQL, MongoDB
Cloud Tools: Containers (Docker), AWS, Packer, Pulumi

WORK EXPERIENCE

Web Developer/Analyst Freelancing Project	Jun 2020 - Dec 2021
<ul style="list-style-type: none">Engineered a responsive local business site with Next.js, and React; implemented SEO enhancements using Google Analytics.Led a web project from requirements to launch using Java, and JavaScript, implemented CI/CD reducing deployment times by 13%.Crafted user-centric design using Figma, Moqups, improving client UX leading to increased site traffic and revenue.Optimized web app deployment using Docker containers, integrating AWS services for scalable infrastructure.Used Selenium and UFT for automated web testing in CI with Jenkins, ensuring high-quality user experiences and robust functionality.Utilized MongoDB for data storage, integrated with Node.js backend to manage efficient data operations for the client.	
Program Analyst Cognizant Technology Solutions, Chennai, India	Feb 2018 - Mar 2020
<ul style="list-style-type: none">Built responsive front-ends with React and Bootstrap in an agile manner, optimizing UI interactions, leading to improved user engagement.Developed features in Java and managed code with Git, refactoring SQL scripts to boost data processing efficiency.Leveraged AWS to scale CRM apps, improved uptime, containerizing services with Docker, enhancing deployment processes.Enhanced CRM interfaces using Figma, aligned with user feedback, contributing to UX that elevated client satisfaction.Automated testing with Selenium, standardizing SQL batch jobs to achieve a 33% reduction in data processing times.Refined Oracle SQL database schema and wrote efficient data loading scripts, decreasing batch processing time by 1/3.	

ACADEMIC PROJECTS

Twelve Factor Assignment Tracker App (Pulumi, AWS, GitHub Actions)	Dec 2023
<ul style="list-style-type: none">Optimized deployment and operations with Pulumi-driven IaC, integrating EC2, CloudWatch, and auto-scaling, secured via SSL/TLS with AWS Certificate Manager, bolstered database reliability with DynamoDB and RDS.Streamlined CI/CD processes with GitHub actions, including testing via Postman, Selenium, and notifications via AWS Lambda and SNS.	
Money Tracking and Budgeting Web Application (Next.js, React, Oracle SQL)	Dec 2022
<ul style="list-style-type: none">Developed a secure, mobile-first financial web application, utilizing Next.js and React with Oracle SQL backend, fortified with JWT and Bcrypt encryption, featuring RESTful APIs, Redux, SASS, and D3 for enhanced data visualization and real-time user alerts.	

CERTIFICATIONS AND PUBLICATIONS

Certifications: PEGA Certified System Architect 7.4
IEEE Publications: [Efficient Single Switch Isolated High Step-Up DC-DC Converter with Constant Output Voltage for Solar Energy Sources](#)