Rohith Reddy Seelam

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EXPERIENCE

Associate Software Developer   Jan 2021 – Jul 2023
Collins Aerospace (Raytheon Technologies)   *Hyderabad, India*

- Developed the web application for Collins Aerospace's Synthetic Environments and Software product team with a focus on enhancing the platform's capabilities for aviation simulator images. The project aimed to *enable airline firms to easily download and integrate images into their aircraft simulators*
- Developed both front-end and back-end components for the *Autonomous Image module*, utilizing **Angular** and **.NET Core** frameworks, resulting in optimized dynamic user experiences and increased operational efficiency
- Executed meticulous **Jasmine** test cases on the front-end, contributing to a 10% increase in overall system stability and a remarkable 25% reduction in post-release issues. Simultaneously, focused on **Component Isolation, Reusability**, and Code Efficiency to enhance code maintainability and drastically reduce the potential for bugs
- Engineered robust **RESTful** APIs using **C# (.NET Core Web API)**, focusing on advanced image version control and an efficient subscription management process, ensuring high performance and reliability
- Utilized **NUnit** for comprehensive testing, which led to a 20% increase in system stability and a 25% reduction in post-release issues, this approach ensured high-quality code and improved the reliability of the system
- Utilized **Entity Framework ORM** with **MS SQL** databases, resulting in a 15% improvement in data handling efficiency. Integration streamlined the data access layer, improved performance, and maintainable code
- Leveraged **Azure services**, including Blob Storage, to create a scalable and reliable storage infrastructure for simulator images, ensuring robust data management. Simultaneously, implemented **CI/CD** pipelines using **Azure DevOps** and GitHub Actions, streamlining deployment and enhancing project efficiency

Software Development Intern   Apr 2019 – Jun 2019
Sahasra Aditya Technologies Pvt.Ltd   *Hyderabad, India*

- Developed accelerated invoice processing and data extraction through seamless **OCR** integration in One Auto tool, potentially unlocking substantial cost savings through reduced manual data entry and enhanced productivity
- Implemented a robust OCR module using Iron OCR library in **C#**, enabling effortless transformation of paper bills and invoices into editable digital formats, streamlining data extraction and retrieval processes
- Fostered significant workflow efficiency gains by optimizing data extraction and retrieval processes, leading to improved overall productivity

TECHNICAL SKILLS

Languages: C#, Java, C, C++, JavaScript, Python, R
Frameworks: .NET Core, .NET 8.0, Angular, React.js, Next.js, Node.js, Spring Boot, Express.js, NUnit, Tailwind CSS
Databases: SQL (MSSQL and Oracle), PL/SQL, NoSQL (MongoDB)
Developer Tools: Git, SVN, Azure, Jenkins, Tableau, Layer 7 API Gateway,
Libraries: Swashbuckle, Jest, Pandas, NumPy, Scikit-learn, Seaborn, TensorFlow, Keras, Matplotlib
Methodologies: CI/CD, Agile, SCRUM Master
Testing and Automation: Automated Tests, Configuration Management

PROJECTS

ManaInvite (visit) | *React, Next.js, Tailwind, NoSQL, AWS*   June 2023 – Present

- Developed a web application for creating website from scratch for an event. This application has features like live video streaming, RSVP's, gift inventory and direction for venue

MAPE Services | *Angular, Firebase, Git*   Jan 2024 – May 2024

- Developed an application for MAPE Services to manage and log employees information and Vans used for Amazon deliveries.This application helps customer to keep a track of all customer login information and Van information along with images

EDUCATION

California State University   LongBeach, CA
*Master of Science in Computer Science, **3.83/4.0***   *Aug. 2023 – May 2025*