Aditya Mallela

Software Engineer

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Professional Summary

- Experience in frontend web application development tools, and techniques for user-facing interfaces.
- Experience in Health care and Insurance Domains.
- Experience in Scrum, Hybrid Agile, and Waterfall methodology.
- Experience in Framework Design (Playwright).
- Experience in developing and configuring environments to enable seamless project execution across multiple environments.
- Experience in Robotic Process Automation (RPA) development (UiPath, Blue Prism).
- Experience in SOAP and REST Web Services.
- Experience in web services testing tools like Postman and SOAP UI.
- Experience in task estimations, assigning to team members, and keeping track of task completion.
- Experience in interaction with direct clients.
- Skilled in Python backend services and API development, focusing on efficient data flow and robust client-server interactions.
- Excellent Interpersonal, Organizational, and Communication skills. Have good analytical reasoning, creative skills, and technical, and domain knowledge.

Technical Specifications

Operating Systems:	Windows XP/2007/11, UNIX
Programming Languages:	C, Python, Java, C++, Swift
Visualization tools:	Tableau, Power BI
Scripting Technologies:	HTML, JavaScript, CSS, Tailwind, ReactJS, NodeJS
Cloud Technologies:	Azure
Frame Works:	TestNG, Django, Playwright, Swift
Web services:	RESTful and SOAP
Web services testing tools:	Postman and SOAP UI
RPA tools:	UiPath, Blue Prism
Databases:	SQL Server, DB2
IDE Tools:	Eclipse, Visual Studio
Bug tracking tools:	JIRA, Test Track
Other Technologies:	Bigdata, Machine Learning, IoT, Mobile Application Development, Distributed Systems, AI,

Education

- **Pursuing Master's Degree** in Computer Science at the University of Houston-Clear Lake. **[CGPA:3.5/4]**
- **Bachelors** in Computer Science (BTech) from Jawaharlal Technological University, Hyderabad in 2020. **[CGPA:3.4/4]**
- **Intermediate Degree** from Sri Chaitanya Junior College, Hyderabad in 2016. **[95%]**
- **School of Secondary Education** Bhashyam High School, Hyderabad in 2014. **[GPA:9.7/10]**

Achievements & Honors

- I was awarded Salutatorian status at the College Level.
- Won Best Team award at TRYST.2018, IIT Delhi for delivering a seminar on Big Data.

- Won Inter college Cricket Championship Cup.

Certifications

- Tableau desktop specialist
- Bigdata training certification – Edifypath

Professional Experience

Client: LACERA   *June 2024-Till date*
Role: Intern Developer

Description:

      The Los Angeles County Employees Retirement Association (LACERA) is an independent county agency that administers and manages the retirement fund for the County. LACERA maintains the My Portal application for outside usage and the Member Services Workspace application for staff members.

Environment/Tools: HTML, CSS, JavaScript, Node JS, React JS, Test Track, Jira, Git, Azure, DB2, Playwright, TypeScript, Python, Django Framework, Power BI.

Responsibilities:
- Automation of My Portal application and Member Services Workspace application using Playwright.
- Application implemented in agile software development process, actively involved in sprint planning reviews and standup meetings.
- Developed and configured environments to enable the project to run seamlessly across different environments.
- Working on Azure Could services for different environments for deploying applications, monitoring, and auditing the logs.
- Working on Jenkins for CI/CD for project builds and deployment.
- Working on GitHub distributed version control and source code management for multiple branches.
- Updating bug information in the Test Track tool and Jira and updating ticket status regularly.
- Working on React JS to implement an interface for the employees to share leave requests, important updates such as meeting schedules, and files similar to SharePoint.
- Implemented backend services using Python and the Django framework to build and optimize API endpoints and manage user authentication processes.

University of Houston- Clear Lake   *Aug 2023-May 2024*
Role: Graduate Teaching Assistant

Description:

      As a Graduate Teaching Assistant (GTA) focusing on computer system administration and network administration in a Linux environment, my roles and responsibilities include a combination of technical support, teaching, and administrative tasks.

Tools/ Technologies: Linux, Network Administration, Computer System Administration, Computer Forensics and Digital Integrity, FTK tool kit, Packet tracer.

Responsibilities:
- Classroom Support
- Teaching and Tutoring

- Grading and Feedback
- Technical Demonstrations

Client: Legato Health Technologies or Anthem Inc   *Feb 2022- Dec 2022*
Role: Associate Software Engineer
Projects: Commercial Product Systems

Description:

      The Commercial Products System (CPS) is generally a core product project of Anthem which deals with a majority of insurance plan types and their respective development and testing.

Tools/ Technologies: P2A-Highroads application, UiPath, Blue Prism, JAVA1.8, JIRA, SQL server, BO reports, Lighthouse Analytics-Splunk.

Responsibilities:
- Understanding the business requirements and coordinating with business consultants and the testing team.
- Creating high-level test-case designs.
- Actively involved in Sprint planning, reviews, and stand-up meetings.
- Actively involved in RPA development and BOT testing.
- Performing UAT, Regression, and Automation Testing.
- Collaborated with developers and product owners to stay current on product features and intended functionality.
- Working closely with other business analysts, and infrastructure specialists to deliver high-availability solutions for critical applications.

Client: Anthem Inc   *Jan 2021– Feb 2022*
Role: Program Analyst
Projects: Commercial Product Systems (CPS), Customer Exceptions Program (CEP) & DENTAL

Description:
      The Commercial products system (CPS) is generally a core product project of Anthem. CEP & Dental are two different modules that involve application testing.

Tools/ Technologies: P2A-Highroads application, JAVA1.8, JIRA, SQL server, Comm2-salesforce.

Responsibilities:
- Testing of UI Screens and delivering relevant test cases.
- Highly involved in salesforce testing-editing the cost-shares and other values based on given criteria and performing guardrail violations.

Academic Projects

Project 1: Office 365 Automation (Real-Time Industrial Project)
Client: Tietronix
Description:

- Developed an automation process for Office 365 using PowerShell and React.js, enabling users to upload CSV files through a React UI.
- The CSV files are converted to JSON using Papa parse for validation and passed through a data mapping layer for Office 365 automation.

- Designed Python-based backend logic to streamline automation processes, utilizing PowerShell for Office 365 interactions and improving system integration.
- Implemented error handling and CI/CD pipelines using GitHub and Jenkins, and deployed Azure services with Azure monitoring.

Tools/Technologies: React.js, Python, Office 365 API, PowerShell, Papa parse, Azure, GitHub, Jenkins, CI/CD, JSON.

Project 2: Hawks Transport App
Description:

- Designed and developed a mobile application to track shuttle services at the **University of Houston Clear Lake**, offering students and staff real-time tracking and schedule management for campus transportation.
- Integrated an intuitive interface to view shuttle routes, estimated arrival times, and notifications for delays or route changes.

Tools/Technologies: Swift, Xcode Simulator, Google Firebase (database), REST APIs (for live data updates and shuttle tracking).

Project 3: Pharmacy Management System
Description:

- Implemented Database application for Pharmacy management which includes storing the pharmacist details, pharmacies, medicines, and Hospital details.
- Implemented the user interface using ReactJS to manage pharmacy, pharmacist, and medicine details. Developed a Python backend with locally hosted API endpoints (e.g., http://localhost) to facilitate data exchange with the MySQL database.

Tools/Technologies: ReactJS, MySQL, SQL Yog.

Project 4: Distributed Operating System Implementation of Radio Station
Description:

- Implemented Distributed Operating System model (publisher and Subscriber model) using Tuple space for Radio station.

Tools/Technologies: HTML, CSS, JavaScript, ReactJS, Java

Personal Projects

Project: Home Automation Using Arduino IOT Device & Google Assistance.
Description:

- The main objective of this project is to develop a home automation system using an Arduino board with Bluetooth that can be remotely controlled by an Android OS Smartphone.
- The Idea behind this is to control home devices with Voice.

Project: Situational Analytic Method for User Behaviour Pattern in Multimedia Social Networks Using Data Mining.
Description:

- It is a Cyber security Process that detects insider threats and financial frauds.