

# ANINDITHA MADISHETTY

Apex, NC

[madishetty.aninditha@gmail.com](mailto:madishetty.aninditha@gmail.com) | +1 (984) 289 – 7454

## PROFESSIONAL SUMMARY

- Pega certified **Senior System Architect** (v 7.2)
- 3 year 5 months of experience, with **2 year 7 months hands on experience** in PEGA/PRPC.
- Worked under **Agile** and **Scrum** methodologies.
- **Software Developer** skilled at technical leadership, communication and presentation. Experienced in complete Software Development Life Cycle that involves designing development and deployment.






## HIGHLIGHTS

- Developed **High Level Class Structure** as per the requirement
- Designed and created Data Model, Work Flows, Sections, Flow Actions, Activities, Flows, Harness rules, Decision rules and Declarative rules
- Created **Technical Documentation**, Test scenarios and conducted Scrum calls
- Handled branching and application specific structuring of the access groups
- Extensively worked on debugging tools like **Tracer, Clipboard, SMA**
- Knowledge in Database – Developed SQL Scripts, Stored Procedures, Triggers and Functions

## EDUCATION

<b>University of North Carolina at Charlotte</b> – USA	January 2016 – May 2017
Masters – Computer Science	GPA: 3.8/4.0
<b>GITAM University</b> – Hyderabad, India	June 2010 – April 2014
Bachelors – Computer Science & Engineering	GPA: 8.67/10.00

## CERTIFICATIONS

	Certified Senior System Architect 7.2	<b>September 2017</b>
	Certified Robotics System Architect 8.0	<b>June 2018</b>
	Certified System Architect 7.1	<b>November 2014</b>
	Certified Pega Business Architect 7.4	<b>November 2018</b>
	Java SE6 Programmer Certification	<b>August 2015</b>

## SKILLS

<b>Programming Languages</b>	Java, C, C++, Python	<b>BPM Tool</b>	PRPC (v 7.x)
<b>Database</b>	SQL, Oracle, Firebase	<b>RPA Tool</b>	Pega Robotics Studio (V 8.0)
<b>Web Services</b>	JSON, XML, REST	<b>Version Control</b>	GIT
<b>Web Technologies</b>	HTML, CSS, JavaScript, JSP		
<b>Tools</b>	Eclipse, Android Studio, Sequel Pro/SQL Developer, Microsoft Visual Studio		

## PROFESSIONAL EXPERIENCE

### Stratosphere Technical Consulting Aug 2017 – Till Date

*Stratosphere Consulting focuses on case management consulting and product development on the Pega platform, providing expert services and architectural direction at the project, program, and enterprise level.*

### California State Water Resources Control Board PRPC 7.4

An online application system to streamline the CA Water Boards paper-based application process. This provides external users the ability to apply for 401 Water Quality Certification. This application also gives internal staff the ability to review issue or reject the applications.

- Supported all stages from conceptualization to delivery, applying insight to identify requirements, monitor milestones and ensured the end product meets quality expectations.
- Designed the UI screen and the work flows.

- Designed and created the High Level Class structure, Workflows and Rulesets in PRPC.
- Creating rules like Activities for the concerned classes, User Interface with the help of Harness and Section rules.
- Designing Flows to execute the work object.
- Implementing and sending correspondence to different recipients.
- Defined components like Decision tables, Decision trees and Declarative expressions.
- **Integrated GIS into the application** for retrieving real-time coordinates.
- Modified skin rules to include look and feel changes.
- Created validation rules to implement business validations.
- Created report definitions.
- Debugging the issues using tools like Clipboard and Tracer.
- Involved in designing, technical documentation and testing scenarios.

### STC Internal Applications

PRPC 7.2.2, 7.3.1

**Center of Excellence (COE):** A tool that organizes your Pega **Practices**, across all of your Pega teams. It tracks from the smallest unit, the **Asset**, up through **Projects** that are a part of a **Program** (specific business goals). This allows both your developers and team leaders to build applications effectively, by maximizing re-use of existing software assets. It gives teams visibility into what exists so they can focus on building only what is needed.

**Communication Management:** With this tool, you will be able to define the composition of 2-way conversation with your customers. The tool enables you to configure the topics of conversation at an atomic level, and then assemble them according to a theme. Themes drive conversations. Conversations drive customer loyalty and improve customer satisfaction.

- Participated in user story grooming, sizing and sprint planning activities to scope and plan the development work.
- Designing workflows, flow actions, User Interface, Decision rules, Data pages, Data Transforms and Reports etc.
- Created activities for saving and retrieving data.
- Involved in defect management.
- Migrated code between environments.
- Followed Pega guardrails in implementation of the application for best practice.
- Documented regression test script for each feature of the application.
- Conducting scrum calls and gathered status update of teammates.

### California Department of Public Health Licensing Program

PRPC 7.2

**Electronic Laboratory Licensing and Registration (ELLFS):** This application improves the business processes by automating the paper-based process to an easy-to-use system that allows clinical laboratories to apply and pay for a new license and registration online. This flexible application implements the review and approval process for quick resolution of applications.

**PERL:** The PERL application provides external users the ability to apply for and renew their licenses/certifications related to clinical and public health laboratory professions. They may also view the status of current applications in progress and any licenses that they currently hold. The application also gives CDPH internal staff the ability to review, approve, deny, or abandon said licensing applications.

- Designing the Functional Specifications, Technical Design, Review and walk through with clients.
- Participated in requirements gathering sessions, user story elaborations
- Involve in Configuring PRPC smart shapes in business scenarios
- Design and develop Harness rules, Layout and Sections
- Involved in developing Flows, Processes, UI Screens, and correspondence
- Create activities for implementing core Business logic
- Implemented business rules using Decision tables, Decision Rules, Declarative Rules and rules for Validation
- Debugging – used tools such as Tracer and Clipboard to identify and resolve issues
- Utilized PEGA PMF for day to day application management via Sprints and User Stories

### Locating nearest store based on customer's postal code (POC)

PRAS 8.0

A Multi-project solution that allows the end-users to access the company's searchable web site to locate the nearest store to the customer's postal code. UI is the controller project for this solution. There are two other projects, one for the CRM application and one for the ACME Search System application.

1. CRM application contains our customer and account information.
2. The UI project is the central hub for this solution. It displays customer information from the CRM application and returns the closest store based on the customer's zip code when the call is accepted.
3. ACME Search System to locate the nearest store addresses and displays it on the UI.

Features:

- Created solutions and projects required for getting the business case working
- Added a Windows adapter (CRM Application), configured a web adapter (ACME Search System) to the solution
- Interrogating the required CRM controls as well as the web application for the needed controls
- Created automations, procedure automations to fulfill the business case logic
- Worked with multiple customers by setting UseKey property to ensure data integrity
- Created new match rules to uniquely identify the application interface elements across multiple instances of an application
- Used the Interaction framework and Activities to pass data effectively from one project to another and activate interactions
- Worked with diagnostic log component to capture custom messages
- Used error suppression and Try Catch components to handle different kind of errors
- Worked with various Toolbox components like – labels, text boxes, combo boxes, diagnostic log component, Boolean Expression etc

UNC Charlotte is North Carolina's urban research university. Assisted Dr. Dewan T. Ahmed in conduct of a research on educating the undergrads using the gaming approach.

### Graduate Research Assistant

Developed a 3D web game in unity with interactive levels that help students in an easy understanding of Algorithms & Data Structures

- Participated in brainstorming ideas for the development of the game
- Designed the functional specifications and technical design of the game
- Created the core modules of the game using Unity 3D
- Worked in collaboration with team mates to integrate modules and achieve integrity
- Conducted survey on the game functionality and documented the results

### Virtusa Consulting Services Private – Hyderabad, India

May 2014 – July 2015

*Virtusa accelerates business outcomes for our clients through our expert information technology consulting and outsourcing services.*

PRPC 7.1.5

#### Home Serve

This project is about transforming their existing landscape from a legacy, which is not scalable and too constrained to more flexible and configurable application on Pega. The application provides business functions across sales, marketing, service and finance department to perform the activities like customer on boarding, sales and ongoing servicing, product management, finance transactions, ledger entries and reporting.

- Created Rulesets for the Application
- Involved in developing Flows, Processes and UI Screens
- Designed and developed Harness, Layout and Section rules
- Created and deployed product rules in QA and Prod environments. Monitored performance regularly
- Monitoring server status and database
- Executed the database scripts from the development teams
- Setting up and managing QA environment data
- Involved in designing, technical documentation etc.

### Mission R&D Internship

Feb 2013 – June 2013

*Mission R&D teaches students 'The art of learning' that help them have a bright career in the software industry where change is the only constant.*

This program helped me gain expertise in computer science fundamentals, professional software development tools and latest programming platforms (Microsoft Visual Studios, PyCharm - Python), giving me confidence and unleashing my inherent potential.

- Worked on 50+ coding assignments focusing on code quality and correctness
- Learnt all aspects of end-to-end product development in professional environment: planning, team allocations, source code control, gathering product requirements, formulating product specifications, making design choices, developing, testing clean and efficient code, and finally integrating many different individual product components into one unified system

**Message buffer:** Created a python consol application that allows registered users to add forums and post questions in it. Users can answer questions as comments. Comments can have sub comments. Multi-threading and locks is include for Multi-user access. Different modules in the application communicated through REST API.

## ACADEMIC PROJECTS

### Tracking System <https://github.com/Aninditha/FedEx-Tracking-System>

Jan 2017

A background simulation framework to display tracking information for a package delivery system similar to that of FedEx

- Developed a *Java MVC web application* that lets a user to query the system with a unique tracking number to retrieve the packet status and travel history
- Computed the shortest path for the delivery of the package between two cities by implementing Dijkstra's algorithm
- Used the Java multithreading concept to update the packet status periodically

### Android Mobile Applications

Sep 2016 – Dec 2016

1. **Weather App:** Implemented an app to display real-time weather data by making API calls (Open Weather Map API)
2. **Chat App:** Implemented an app to save & view contacts and send messages. Used firebase to store data
3. **Map Tracer:** Implemented an app to mark two locations and trace a path taken by the user between them

### Lempel-Ziv-Welch Compression <https://github.com/Aninditha/LZW-Encoding>

Mar 2016

A lossless data compression algorithm to compress large files using a table-based lookup

- Implemented the encoding algorithm and stored data in bytes
- Decoded the file generated by encoding and converting it back to the original

Achieved 0.38 compression ratio on a sample dataset (Higher the redundancy, lower the ratio)

## WORK & PORTFOLIO

### LinkedIn

<https://www.linkedin.com/in/maninditha>

### GitHub

<https://github.com/Aninditha>

### Portfolio

<https://aninditha.github.io/>