**Sunil Kumar Kanakappagari**Pega Developer

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**PROFESSIONAL SUMMARY**

Pega Developer with 3 years of experience and a proven track record of success in implementing and optimizing Pega solutions to drive business efficiency and agility. Skilled in developing responsive web-based UIs, integrating external systems, and conducting rigorous testing to ensure robustness and reliability. Proficient in leveraging Pega's capabilities to streamline business processes and deliver intuitive user experiences. Committed to continuous learning and professional growth, with a career objective of leveraging my expertise to drive innovation and excellence in Pega development, while contributing to organizational success.

**SKILLS**

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| **BPM Tools:** Pega V7.X, V8.X, Appan.  **Web Services:** SOAP, REST.  **Programming Languages:** Java, JavaScript, J2EE, XML, HTML, CSS.  **Database:** MYSQL, Oracle, SQL Server  **Unit Testing:** Soap UI, Postman  **Web/Application server:** Apache-Tomcat | **Cloud Environments:** AWS, Azure, GCP.  **CI/CD Tools:** GitHub, Jenkins, Bamboo, Maven.  **Configuration & Infrastructure Tools:** Terraform, Ansible.  **SDLC Methodologies:** Agile Scrum Framework, Waterfall, Iterative  **Operating Systems:** Windows, Linux. |

**EDUCATION**  
**Master of Science, Information Technology** Graduation: April 2024

*University of Cincinnati, Cincinnati, OH*

**Bachelor of Technology, Computer Science and Engineering**  Graduation: August 2020

*Mahatma Gandhi Institute of Technology, Hyderabad, India*

**EXPERIENCE**

**Pega Developer** November 2020-October 2022  
*Cognizant, Hyderabad, India*

**Project: AT&T Customer Support System Enhancement**

* Implemented critical Pega components: Flows, Flow actions, Assignments, Data pages, Data Transforms, Activities, Reports, Correspondences and Declarative rules, ensuring adherence to PEGA Guardrails for robustness and efficiency.
* Designed and developed responsive web-based UIs using PRPC User Interfaces, including Sections, Harnesses, and Flow Actions, ensuring seamless and intuitive user experience.
* Leveraged Pega's Declarative Processing capabilities to implement features like Expressions and Decision Rules (Decision Tables and Decision Trees), enabling intelligent decision-making based on predefined criteria.
* Collaborated closely with Business Leads and Business Analysts to define business requirements, ensuring precise alignment with project needs and objectives.
* Implemented seamless integration with external systems using connectors such as Connect SOAP/REST and Service SOAP/REST, enhancing system functionality through efficient data retrieval and transmission with robust error handling techniques.
* Conducted comprehensive unit, integration, and user acceptance testing to guarantee system reliability and performance, utilizing tools like PEGA Tracer, Clipboard, and log files to meticulously debug and resolve any issues for smooth operation.

**Program Analyst Trainee** February 2020-August 2020

*Cognizant, Hyderabad, India*

* Developed a Proof of Concept (POC) on Gym application using Pega BPM, showcasing proficiency in leveraging Pega's capabilities for business process management.
* Developed and managed Pega Case Types and Case Management, utilizing Pega’s rule resolution mechanism to ensure accurate and efficient processing of cases.
* Implemented effective branching strategies within Pega development environments to optimize workflow management and ensure seamless code integration and deployment processes.
* Leveraged UX/UI principles in Pega, extensively working with Portals, Skins, Flow Actions, Sections, and other UI components to design and develop intuitive, user-friendly interfaces.
* Expanded responsibilities to include SLA tasks, data transforms, and Report Definition rules, enhancing application functionality.
* Gained proficiency in SQL, mastering database querying techniques, and optimizing database structures for improved performance.
* Implemented Agile/Scrum Methodology, actively participating in sprint planning, daily stand-ups, and retrospective meetings. Converted business requirements into user stories and tasks in Rally for efficient project management.

**Jr JAVA Developer** February 2018-October 2018 *Phycare Services, India*

**Project: IDX**

* Involved in the design and development of web applications.
* Contributed to servlet-based application development.
* Contributed to the development of client side and server-side validations for web applications.
* Worked on Spring Batch framework to implement reusable functions for large volume of records in both logging and transaction management.
* Designed Web pages using HTML, selenium, CSS, and JavaScript for validations.
* Designed and developed User Interface Web Forms using CSS, HTML and JavaScript.
* Designed and deployed server side EJB (Session Beans and Entity Beans) components on Eclipse IDE.
* Used JavaScript to make dropdown menus on webpages and displayed part of a web page upon user request.
* Used various Core Java concepts such as Exception Handling, Collection APIs to implement various features and enhancements.
* Responsible for developing, editing, cucumber, publishing, and managing content on the external Web pages and internal portals.
* Validated input values to make sure that they will be accepted before they are submitted to the server.
* Used Cascading Style Sheet (CSS) in web pages to separate presentation from structure.

**Project Experience 1:** Insurance Application using Pega PRPC Personal Edition.

Utilizing Pega's PRPC Personal Edition, to master various Pega skills and applied them effectively in real-time scenarios to develop and enhance an insurance application. Key contributions include:

* Mastered implementation of diverse rule types such as Flow Actions, SLAs, Correspondence and Data Transformation Rules enhancing the functionality and usability of the insurance application using PRPC Personal Edition.
* Harnessed Pega's BIX framework to create multi-level reports, providing stakeholders with valuable insights into insurance KPIs and trends, facilitating informed decision-making.
* Developed custom rule types including Policy Rules, Claim Rules, and Underwriting Rules tailored to meet specific business needs and compliance requirements, ensuring adherence to relevant regulations.
* Effectively managed system components using Pega Admin Studio, ensuring optimal performance and reliability through regular monitoring and maintenance.
* Configured access roles and access groups, managing user permissions to ensure that only authorized users could access sensitive information, thereby enhancing the security and integrity of the application.
* Leveraged MQ (Message Queueing) for reliable communication between different system components, ensuring smooth data transmission and operational efficiency.

**Project Experience 2: Gym-training Web application using AWS, Docker, and Kubernetes**

* Developed a gym-training web application leveraging AWS, Docker, and Kubernetes to facilitate self-training routines.
* Provisioned an AWS EC2 instance using Terraform to serve as the application server, utilizing Ubuntu as the operating system.
* Implemented the gym application by developing the frontend using HTML and CSS for layout and styling, and JavaScript for interactive design, ensuring a user-friendly and engaging experience.
* Utilized Git for version control, allowing seamless collaboration and tracking of changes throughout the development process.
* Integrated AWS S3 to store customer-made workouts, enabling users to save and access personalized training routines securely.
* Created a Dockerfile to define the application's environment and dependencies, facilitating consistent deployment across different environments.
* Built a Docker image containing the gym application code and dependencies, ensuring portability and scalability.
* Pushed the Docker image to Docker Hub, a container registry, for centralized storage and distribution.
* Configured a Kubernetes cluster and deployed a Docker pod using the previously created Docker image, ensuring high availability and scalability of the application.
* Assigned a service port to the pod's container, allowing users to access the gym application from any local machine connected to the internet, enhancing accessibility and usability.

**Project Experience 3: Front-End File Upload to AWS S3**

* Developed a user-friendly web application for uploading files directly to an AWS S3 bucket using HTML, CSS, and JavaScript.
* Configured an AWS S3 bucket with appropriate permissions and policies to securely handle file uploads.
* Implemented client-side functionality using the AWS SDK for JavaScript to manage file uploads and interactions with the S3 bucket.
* Created an IAM role with specific S3 permissions to ensure secure and efficient file transfer operations.
* Utilized AWS Cognito for managing user authentication and providing temporary security credentials for accessing S3.
* Employed HTML to structure the front-end webpage, CSS (including Flexbox and Grid) for responsive design and styling, and JavaScript for dynamic user interactions and file handling logic.
* Demonstrated comprehensive knowledge of AWS cloud services including EC2 for scalable computing resources, Lambda for serverless functions, RDS for managed relational databases, and CloudWatch for monitoring and logging.
* Integrated CloudWatch to monitor S3 bucket access and usage, enhancing security and operational insights.
* Leveraged EC2 instances to deploy and test the web application in a controlled environment.
* Utilized AWS Lambda for processing file uploads and triggering additional workflows.
* Managed and maintained an RDS instance for storing application data securely and efficiently.

**CERTIFICATIONS**

* *PEGA Certified Senior System Architect*
* *PEGA Certified System Architect*
* *Microsoft Azure Fundamentals (AZ-900)*