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SOCIALS

• LINKEDIN

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PROFESSIONAL SUMMARY

I am a Senior IoT Engineer with 10+ years of experience designing and delivering industrial IoT solutions using PTC ThingWorx, including custom ThingWorx Java Extensions for UI components, data export, and security. Proven expertise in ThingWorx platform development, extension lifecycle management, scalable data handling, dashboarding, and system integration. Strong background in Azure IoT, PostgreSQL, SQL Server, and event-driven architectures, with hands-on experience supporting large-scale, production-grade deployments in manufacturing environments.

CORE TECHNICAL SKILLS

-THINGWORX & PTC ECOSYSTEM

- ThingWorx Foundation 9.7.0
- ThingWorx Flow 9.3.8
- ThingWorx Navigate 9.3.4
- ThingWorx Custom Extensions
- Vuforia Studio 9.13
- Creo Illustrate 9

-IOT, CLOUD & INTEGRATION

- Azure IoT Hub

EXPERIENCE

04/2022 - Current

Professional Software Engineer

Volvo Group India Private Limited | Bengaluru, India

- Design and develop enterprise-grade ThingWorx applications for industrial and engineering use cases.
- Contributed to ThingWorx architecture decisions focusing on scalability, security, and maintainability.
- Build ThingWorx services, DataShapes, ThingTemplates, and Mashups supporting scalable architectures.
- Optimized services for performance and memory usage in high-volume, data-intensive environments.
- Developed a custom ThingWorx Authenticator Extension to integrate enterprise authentication mechanisms, improving platform security and access control.
- Implement optimized InfoTable processing and reusable utility services for performance-critical workflows.
- Integrate ThingWorx applications with PostgreSQL and external systems using ODATA REST APIs.
- Support production deployments, upgrades, validation, and troubleshooting in distributed environments.
- Collaborate with cross-functional IT and engineering teams on architecture, sprint planning, and system integration.
- Kept pace with changing business requirements and maintained an updated ThingWorx Application.

07/2020 - 04/2022

Senior Associate Consultant

Infosys Limited | Chandigarh

- Designed and delivered a centralized ThingWorx-based Bias Manager application for PepsiCo (Frito-Lay).
- Designed and deployed complex mashups, dashboards, and reports for factory operators and sector owners.
- Built a Custom PDF Export Extension enabling secure, formatted export of industrial reports and operational data for PepsiCo users.
- This led to the transformation from standalone applications to a centralized industrial IoT platform.
- Scaled deployments from 14 initial sites to 60+ global sites.
- Integrated SQL Server-based centralized databases for enterprise reporting and analytics.
- Plant Apps were used to maintain and structure the Product Data for their sites.
- Centralized Solution helped PepsiCo to conserve financial resources as well

- Azure DevOps
- CI/CD Pipelines
- REST APIs, JSON processing

-DATABASES & PERSISTENCE

- PostgreSQL
- Microsoft SQL Server
- High-volume InfoTable optimization
- Batch data handling and reporting

-PROGRAMMING & TOOLS

- JavaScript
- JAVA
- Python
- Git

-AI / ANALYTICS

- Azure Machine Learning
- Natural Language Processing
- Computer Vision

CERTIFICATIONS

- Microsoft Certified Azure IoT Developer Specialty (AZ-220)
- Microsoft Certified Azure AI Engineer Associate (AI-102)
- Microsoft Certified Azure AI Fundamentals (AI-900)
- Microsoft Certified Azure Fundamentals (AZ-900)
- Infosys Certified IoT Professional.

ACCOMPLISHMENTS

- Streamlined workflow by consolidating lengthy processes and redundant documentation, which resulted in more effective and timely completion of fetching Bounding Box details for parts.
- Created and developed a critical application for Windchill developers to monitor DCN health checks to exceed quality and production targets consistently.

AWARDS & RECOGNITIONS

- Sprint Champion Award - Infosys Limited.
- Star Award for Excellence in Customer Delivery - Capgemini.

as the operator's time in performing the biasing of products.

- Managed and monitored team responses to incidents and requests received from end users, ensuring they are resolved effectively and efficiently against SLA.

05/2019 - 06/2020

Associate Consultant

Infosys Limited | Chandigarh

- Responsible for requirement gathering and writing requirement documents for the pioneering electronics industry client that designs and manufactures connectivity and sensor products.
- Engaged in Pre-Sales activities such as Proof-Of-Concepts and feasibility tests for different requirements requests.
- Developed a Custom UI Line Chart Extension using Plotly.js for a TE Connectivity client to visualize high-volume time-series data within ThingWorx Mashups.

02/2016 - 04/2019

Associate Consultant

Capgemini Technology Services India Limited | Bengaluru

- Built dashboards representing the OEE values for different machines placed in the production site.
- Utilized the graphs representation for a better and clearer understanding of OEE values by top management executives.
- Designed an Augmented Reality PoC on ThingWorx Studio to demonstrate the steps required to assemble an Electrical Switch.
- New operators were trained on that to learn assembly for that switch
- I received acclaim from the client as well.
- Created and provided the demo mashups along with the estimations for new requirements and enhancements proposed by the client.

EDUCATION

22/Sept/2015

Uttarakhand Technical University | Uttarakhand, India

Bachelor of Technology: Information Technology

- Scored 70.92 %
- Member of Inter-College Technical Fest PINAK Team.

INTERESTS

Traveling off-beat routes, swimming for fitness, and solving strategy-based mind games such as chess and Sudoku.