Name: Jason Slade   **Title:**   Industry 4.0 Enterprise Architect

Education:

- **Computer Network Administration Certificate**
  Northern Alberta Institute of Technology, Edmonton, AB.

- **Diploma of Education, Leadership & Management**
  University College Dublin.

Automation Systems:

- Aveva PI
- Inductive Automation Ignition

Summary:

Jason Slade is an Aveva PI application specialist with experience in Cloud and IIoT, working with real time data systems, and system administration in the life science, oil & gas, mining, power transmission and distribution industries. Jason has closely worked with businesses to develop PI System requirements and implement new Aveva PI technology. Jason has expertise with the Aveva PI suite including design, architecture, deployment, and support of the PI system. He is actively pursuing the Udacity Data Analyst Nanodegree. In his free time, he enjoys tinkering in his home lab on raspberry PI and Arduino based automation and computer vision projects.

Jason is also an experienced system administrator who has worked on a variety of projects and applications with experiences in NERC/SIP and GMP regulated environments.

Work Experience:

Horizon Controls Group   **Oct 2022 - Present**
Blue Bell, PA
Director IIoT

- Developed and executed the organization's IIoT strategy aligned with business objectives.
- Engaged stakeholders to gain buy-in and align IIoT initiatives with company goals.
- Evaluated and selected appropriate IIoT technologies and solutions.
- Managed and delivered successful IIoT projects on time and within budget.
- Implemented data management and analytics frameworks for secure data collection and actionable insights.

TQS Integration LLC   **Aug 2020 – Oct 2022**
Regional Manager

- Managing, leading, and mentoring a team of Engineers and Project Managers to deliver on regional and global objectives.
- Responsible for identifying and opening new opportunities for the business and maximizing our existing global client base through collaboration with the Business Development team.
- Managing relationships with C Level Executives, regionally and globally.
- Representing TQS at pre-sales activities with clients.

- Performing front-end studies and Deep Dive planning with global clients, consulting with the clients directly on PI System deployment and integration strategies.
- Developing Business Plan for Region and forecast growth, revenue, and resourcing requirements.
- Working with both TQS & Aveva Business Development teams to define sales strategies for region to support Business Plan.
- Understanding of industry trends, product capabilities and customer requirements.
- Setting and tracking of KPIs for the team and address challenges when they arise.
- Negotiating commercial terms on behalf of TQS with the clients.

TQS Integration LLC   Sep 2018 – Jul 2020
Lead Engineer

- Implementing and supporting OSIsoft PI Projects and integrations across a variety of platforms and protcols in validated PI system deployments. Common tasks include: Implementing, configuring and troubleshooting PI interfaces, such as OPC DA, OPC A&E, OPC UA, RDBMS, UFL, PI to PI, DNP3, MQTT, OMF and PI Web API.
- Developing training material and providing training classes to other PI system administrators on the topics of PI Client tools such as Processbook and Datalink, PI architecture, PI compression, PI interfaces, AF notifications and AF Analysis.
- Integration with various industrial control and monitoring equipment such SCADA, PLC, OPC, Continuous/Batch Historians, MES systems and DCS Based control systems.
- Creating instructions and and validation document sets for installation, configuration and troubleshooting of interfaces and OSIsoft PI core application architecture, in line with TQS standard and OSIsoft recommendation
- Drafting Validation document lifecycle, including installation/operational qualification and design specification creation and execution across multiple successful projects, of varying scope.

Dominion Energy   Feb 2018 – Sep 2018
OSIsoft PI Systems Analyst

- Implementing and supporting OSIsoft PI SmartGrid projects such as synchrophaser high frequency real-time data collection, and the deployment of multiple PI Server collectives to facilitate testing.
- Developed training material and provided training classes to other system administrators on the topics of PI Client tools such as Processbook and Datalink, PI architecture, PI compression, PI interfaces, AF notifications and AF Analysis.
- Documented best practices around monitoring the PI environment. Implement PI system monitoring and notifications via an IT asset AF model and AF Analysis development, Coresight dashboards, and a collection of Perfmon interfaces.
- Installed and supported the following OSIsoft PI interfaces in various HA configurations: GE HabConnect, PI-to-PI, Perfmon, SNMP, UFL.

Xcel Energy – via Mid-Del   Jun 2017 – Feb 2018
OSIsoft PI Systems Analyst

- Extracted data from operational systems and reporting databases using SQL and a variety of OSIsoft reporting, data mining, and data management tools. Investigated table structures and OPC data to identify data relationships and the location of required data for AvevaPI reports and dashboards. Validated accuracy of the results.
- Performed advanced analytics and data management as it pertains to OSIsoft PI real-time data technology. For analytics, this included creation of PI AF Analysis and supporting predictive analytics systems such as Seeq, For technologies, this included ETL, data modeling, management, quality, metadata, master data management, and strategic planning for effective information delivery methods including ad-hoc Excel reports, PI Vision/PI Coresight dashboards, and data visualizations in PI Processbook.

- Documented extraction methods, and reporting criteria to a level consistent with departmental standards.
- Performed data profiling and data cleansing tasks and helped to identify and troubleshoot data quality issues.
- Created PI dashboards in PI Processbook and PI Vision to assist with various business units and monitor health of assets including impact on number of operations.
- Implemented and supported Aveva PI Interfaces, including UFL, OPC DA, RDBMS, Ovation and PI-to-PI.
- Implemented and supported Aveva PI Connectors, including PI Integrator for Business Analytics and PI Connector for PI System Health.
- Provided and facilitated onsite training of the OSIsoft PI application suite to business users.

PG&E – via TCS   **Apr 2016 – Apr 2017**
ODS Engineer (Operational Data Services)

PG&E – via Vedant Group   **May 2015 – Apr 2016**
ODS Engineer (Operational Data Services)
- Built PI ProcessBook displays to allow engineers to visualize and perform logic on SCADA data.
- Built PI Coresight screens for engineers with trending and single line displays for pilot projects.
- Added new visibility into circuits with SCADA and PI to uncover compliance issues previously undetected.
- Participated in pilot project to create logic, calculations, and email notifications using PI data.
- Combined PI and excel to create dashboards to monitor health of assets including impact on number of operations.
- Implemented various PI Interfaces, including DNP3, OPC, Random data, and PI-to-PI.
- Implemented PI Connectors, including DC Systems RTscada
- Provided PI support and AF configuration in Tollgrade & Sentient line sensor pilot to improve data visibility to the business.

Wipro Technologies   **Jan 2012 – May 2015**
Solutions Consultant – RTDM
- Installed and configured Aveva PI suite in Oracle VirtualBox Virtual Machines, based on established processes for creating a testing environment of PI Server 2010, PI AF with Event Frames, and PI Datalink 2010.
- Performed interface node host migration and upgrade of GE iFIX HMI/SCADA PI interface to current version, while also adding PI ping and perfmon interfaces to allow for more detailed monitoring and alerting.
- Developed and upgraded site specific PI tag templates, allowing for users from the business to quickly build and submit new tag requests and tag modifications based around the needs of their site.
- Designed and implemented High availability Matrikon OPC interfaces across redundant collectors utilizing UniInt with redundant Rockwell DCS/HMI data sources via Matrikon OPC Tunneller.
- Gathered requirements and built deployment time estimates for migrating PI tags to a central collective. Worked with the business to identify potential issues with digital state duplication, tag naming convention duplication, and client tool updates resulting from a consolidation effort.

Vale Limited (Via Wipro)   **Sep 2014 – Dec 2014**
PI Systems Consultant

- Created internal standards and guideline documents on the following Aveva topics:
- PI ACE Standards
- PI AF Guidelines
- PI Calculation Guidelines
- PI ProcessBook and ActiveView Standards
- PI Web Parts and SharePoint GUI Guidelines

Shell Canada (Via Wipro)   **Aug 2012 – Aug 2014**
PI Systems Administrator – Shell Upstream Americas
- Installed and configured OSIsoft PI interface nodes for new or upgraded sites. Most recent interface experience include PI to PI , RDBMS via ODBC, OPC DA and redundant OPC interfaces.
- Participated as a technical resource in phase 1 of the PIPE III project. Worked with team members to assist with pre and post migration documentation efforts and testing.
- Participated in the Shell RIAB ('Rig in a box') project as a technical resource. Implemented PI solutions consisting of buffered OPC, Perfmon and PI to interfaces, as well building appropriate AF structure and notifications for each RIAB implementation.
- Operated as PI Support on the upstream rotation. Approved tag builds and worked with users on performance equation development, Developed PI tag templates to facilitate user requests troubleshoot user issues with PI client tools such as PI ProcessBook and PI Datalink.

Industrial Evolution   **Feb 2009 – Aug 2012**
Systems Analyst/Team Lead
- Member of the Support team; supported a variety of critical in-house systems and clients of those systems.
- Gathered requirements, designed, planned system architecture, implementation, and support of an Aveva PI real time data historian, including High Availability, PI AF, PI Notifications, and a variety of interfaces such as OPC DA/HDA, Perfmon, Ping, TCP, PHD and PI-to-PI.
- Proactively monitored, deployed, and supported Honeywell Uniformance PHD databases. Provided support of client tools such as Honeywell Tag explorer, Uniformance TPI and Modtag at customer locations.
- Aveva PI ProcessBook display development and testing for both customers and internal support, including a Cygnet HMI migration to PI ProcessBook displays.

Hess Corporation
(Via Industrial Evolution)   **Aug 2010 – Apr 2011**
Computer Systems Analyst
- Closely worked with users on training and support of a new Aveva PI implementation for their region, assisted with migrating procedures and practices from Microsoft Access/Excel to the Aveva PI system through the use of PI ProcessBook displays and PI DataLink.
- Provided support on production Microsoft Access databases for each field and related batch files, Excel sheets, VBA scripts, and processes that required access to the data for daily production reporting.
- Provided application support as SME to users for the Theta Oilfield application suite, including XBAL, RODDIAG, XROD-V, XSPOC, XTOOLS.

Nirix Technology   **Mar 2008 – Jan 2009**
Helpdesk/Onsite Support
- Gathered technical infrastructure design and assisted with planning, testing, deployment, and migration of network implementations.

- Provided tier 1 support for Datacenter infrastructure, including VMware ESX/ESXi, Blackberry Enterprise Server, Citrix Presentation Server and Websense Enterprise.
- NOC monitoring and support through applications such as Whatsup Gold, Paessler PRTG, Microsoft SCOM.

Training/Certificates

- Microsoft MCTS: Windows SharePoint Services 3.0, Configuring
- Microsoft MCTS: Microsoft Office SharePoint Server 2007 Configuring
- Microsoft MCITP: Windows Server 2008, Server Administration
- Honeywell Uniformance PHD: Fundamentals – System Administration

- OSIsoft: Mastering data analysis with PI Coresight and PI AF
- OSIsoft: PI System Installation Specialist
- OSIsoft: PI System Infrastructure Specialist
- Matrikon OPC level 1&2
- Architecting on AWS - Accelerator
- Currently pursuing UDACITY Data Analyst nanodegree

Skills

- OSIsoft PI High Availability
- OSIsoft PI Asset Framework
- PI project implementation
- PI WebAPI and PI SDK
- PI RtReports and Batch Interfaces
- OSIsoft PI ProcessBook/Vision
- Matrikon & Kepware OPC solutions
- Windows Server Administration

- Python/Powershell
- AWS
- OSIsoft PI Server Administration
- Best Practices and Standards
- Honeywell Uniformance suite
- IIoT
- Industry 4.0