

Bryan Vuong

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Education

University of Texas at Austin

Bachelor of Science in Computer Science

Graduation: August 2013

Work Experience

TechnipFMC plc

Application Developer/Business Analyst

Houston, TX

August 2013 – June 2017

Key Experiences

- Coordinated and met with multiple engineering teams across the Subsea PLM division to identify product line and business process requirements to adapt the Product Configuration Tool for each PLM team.
 - Customized and expanded Product Configuration Tool for the Subsea Manifolds, Chokes, Trees, and Drilling Teams based upon each team's business and product needs.
- Engaged with Engineering and Technician organization levels to create a solution permitting constructive feedback between both teams for process improvement.
 - Coordinated with IT to develop a MS Infopath feedback solution for Technicians to provide improvement suggestions and information to refine Engineering refurbishment instructions.
- Recognized absence of lifecycle and failure rate information on project service tools.
 - Coordinated with multiple organizational levels to create necessary business processes to provide key data for trend analysis.
 - Developed data mining and analysis software application for trend analysis on product life cycle management of customer-owned and TechnipFMC-owned tool fleets.
 - Application generated failure rates, risk analysis, and maintenance predictability for individual tools and their respective tool families based upon data queried from SAP Quality, Service, and Equipment and Tools Management modules.
- Identified inefficient and inaccurate method for upper and middle level management to review and monitor service engineering performance.
 - Coordinated with Engineering, Planning, and Technician levels of Subsea Services organization to create application.
 - Engineering Employee and Team Performance Reporting Application analyzed duration and difficulty of various Service Engineering tasks to generate high-level or detailed visual reports for comparison of individual and team performance by any management level.
- Analyzed, documented, and translated business requirements into functional requirements
- Worked closely with the business teams and management to understand requirements, perform requirement analysis, impact analysis, and identify end-user training gaps

Highlights

- Expansion of Product Configuration Tool resulted in reduced non-conformance costs (PONC) on new project tools by an 18% average across product families.
- Tool Lifecycle Analysis Application culminated in an increased reliability of tool fleet, revenue generated from recommended tool refurbishments, and improved customer relationships.
- Engineering Employee and Team Performance Reporting Application permitted management to identify bottlenecks resulting in improved allocation of resources and business justifications for inefficiencies identified in management meetings. Average engineering duration during tool service was reduced by 1.2 days due to application.

- Successful completion of Anadarko subsea drilling tool rental contract resulting in \$7 million tender.
- Received multiple Gold, Silver, and Bronze awards in Customer-Centricity, Innovation, and Collaboration.

TechnipFMC plc

Application Developer/Business Analyst

Houston, TX

May 2011 – May 2013

Key Experiences

- Identified significant costs related to non-conformances resulting from engineering negligence and oversight during product design.
 - Designed and developed a Product Configuration Tool for Controls System engineers to be utilized in preparing pre-sale quotations, engineering design, production scheduling, and inventory planning.
- Recognized key bottleneck during Design Analysis phase of project lifecycle due to limited analytical engineering resources.
 - Created scheduling and job allocation application to maximize efficiency and utilization of analytical engineering team. Resources are organized and assigned based upon available capacity and job scope utilizing data gathered from reports generated using the SAP Query Tool.

Highlights

- Product Configuration Tool resulted in reduced non-conformance costs (PONC) on new project tools by 36% in two quarters.
- Average Analytical Engineering efficacy improved to 2.43 from 4.26 days and analysis progress communication with other teams improved based upon testimony due to scheduling application.
- Received 2012 CDM Innovative Solutions Awards for Q3 and Q4.

University of Texas, McCombs School of Business

Student Web Administrator

Austin, TX

September 2010 – August 2011

- Performed HTML maintenance and design changes for McCombs School of Business web sites and affiliate sites
- Provided technical and help desk support to McCombs School faculty and staff

Licenses and Certifications

SAP Finance and Controlling (FICO) Application Associate ERP 6.0 EhP7

Certification: July 2017

Certification: C_TFIN52_67

Professional Skills

Programming Languages: Java, Jython, C, C++, Python, VBA, VHDL, LC3 Assembly

Web Languages/Scripting: HTML, CSS, Javascript, JQuery

Database/Schema/Markup Languages: SQL, XML, UML

Subversion: Git, Apache

IDEs: PyCharm, Eclipse, Eclipse for Python, Sublime, MS Dreamweaver

General Software: MS Office Suite, Matlab, Adobe Photoshop and Premiere Pro

Additional Coursework: Cryptography, Info Assurance, Database Management, Software Engineering, Data Structures, Operating Systems, Algorithms and Complexity