

# Rafik Rezine

SYSTEM INTEGRATOR, PROJECT COORDINATOR

+ CONTACT



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Nationality Algerian, French

Date of birth April 29, 1982

Gender Male

+ EXPERIENCES

Since May 2007 **Integration of Historian Systems in Major Production Sites**

Lead Engineer at Integration  
Objects



Specification, design, integration, and maintenance of historians (Yokogawa Exaquantum, OSIsoft PI). Examples:

- Oil Refinery: lead engineer for the design, integration and support of the installation of a Plant Information Management System of 100 K tags, 3 Exaquantum PIMS Servers, 1 Exaquantum Web Server, 200 Exaquantum Explorer clients. Import of legacy historian archives of 10 k tags. 800 Centum mimics converted to Exaquantum Web displays. Redundant hardware install (Marathon everRun).

- Gas Plant: design of the plant's new historian, OSIsoft PI, and of the migration of the legacy historian. 10 K tags, 30 PI ProcessBook clients, 2 PI Servers, 5 PI OPC Interfaces, 1 PI to PI interface.

- Gas Plant: lead engineer for the specification, design and implementation of PI ProcessBook process displays for offshore and onshore facilities.

Clients: British Gas, Petrorabigh, Rashpetco.

## **Integration of Industrial Solutions**

Specification, design, integration, and maintenance of industrial solutions including OPC tunneling solutions, high availability solutions such as Marathon everRun, network security, network storage.

Clients: AngolaLNG, Exxon Mobil, Emerson.

## **Integration of Operational Intelligence Solutions**

Development, design, integration, and maintenance of the KnowledgeNet knowledge management platform for NGL plants. Features: detection and diagnosis of operational issues, plant KPIs and dashboards, data collection and transformation. Technologies: KnowledgeNet Root Cause Analysis / Workflow / Engine Calculation, SharePoint Webparts.

Clients: AngoLNG. Accenture.

## **Development of bridges for several clients**

Bridges developed in managed and non managed code (non managed C++, C#, VB.Net) for Gensym G2 and OSIsoft PI and PI AF platforms.

Clients: ARAMCO.

## **Conduction of projects execution steps** (FDS, DDS, iFAT, FAT, SAT).

**Software performance tests**, using various platforms such as VMWare and Hyper-V.

**Technologies:** .Net, non managed C++, COM/DCOM, OPC, Yokogawa Exaquantum, OSIsoft PI / PI AF / PI ProcessBook / PI interfaces, Integration Objects' KnowledgeNet, Windows Server 2k3/2k8/2k12, network security (Cisco firewalls), NAS, SAN, Marathon HA/FT, RAID 0/5, SNMP.

Since September 2011

Web Developer and  
Webmaster as a Freelancer

Design and development of web sites for artists, photographers, non-governmental organizations, companies. Use of CMS such as Wordpress, Joomla, Drupal.

Search Engine Optimization for various sites.

Aug 2005 - April 2007

HR Access Consultant at HR  
Access Solutions

Design, development and maintenance of the DADS-U offer. Validation tests on the company's product.

Technologies: **HR Access** platform, Cobol.

## + EDUCATION

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2002 - 2005 **Multidisciplinary Engineer degree (*Ingénieur Polytechnicien*)**



Tunisia Polytechnic School (Ecole Polytechnique de Tunisie)

*Top engineering school in Tunisia*

Computer Science, Mechanical & Civil Engineering (general engineering profile)

End of studies' project carried out at the Karolinska Institutet (Stockholm, Sweden), in the Center for Hearing and Communication Research: 3D modeling of inner ear cells based on cochlea 3D confocal images.

Editor in chief of the EPT Mag' (the student's magazine).

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2000 - 2002 **Tunis Institute for Preparatory Studies for Engineering Schools.**

2000 **High School National Graduation (*Baccalauréat*) - Grade good**

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## + LANGUAGES

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Mother tongues Arabic, French.

Foreign languages English: Proficiency level, written and spoken.

## + IT PROFESSIONAL SKILLS

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Operating systems **Windows XP & 7, Windows Server 2k3 & 2k8 & 2k12, Mac OS X 10.6, UNIX, MVS, Linux.**

System development **C, VB, C++, .Net Platform (C#, VB.Net), MatLab, Cobol, PI SDK/ PI AF SDK.**

Virtualization **VMWare, Hyper-V.**

Redundancy Solutions **Marathon everRun FT, HA.**

Historians **Yokogawa Exaquantum: Exaquantum PIMS Server / Web Server / Explorer Client.  
OS/soft: PI / PI AF/ PI Processbook / PI OPC Interface / PI to PI interface.**

OPC **OPC Client and Servers programs, OPC tunneling solutions.**

Hardware **SAN, NAS, Cisco Firewalls. HP / Dell / IBM rack servers.**

Web **CMS (Joomla, Wordpress, Drupal, Spipe). HTML, CSS, php. Web hosting.**

## + PROFESSIONAL HIGHLIGHTS

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Ability to integrate easily in new projects and to work in a team.

Problem-solving approach.

Ability to draft accurate activity and technical reports.

## + OTHER SKILLS AND HOBBIES

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Video/music editing.

Music player (singer, guitarist).

Concert/event organizer.

Woodworking.