Candidate Profile

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| Candidate Name: | Yeo Kheng Jack | | |
| Client Name: | **Exxonmobil** | | |
| Position Applied: | Inspection Engineer | | |
| Consultant Name: | Jerusha Lieow Lengse | | EA Personnel Registration No. R1543596 |
| Consultant Contact Details: | Jerusha\_Lieow@kellyservices.com.sg | | |
| O (65) 6709 3441 | M (65) 9750 4536 | F (65) 6337 1950 |

**Candidate Summary**

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| Gender: | Male |
| Date of Birth: | 10th Jan 1981 |
| Marital Status: | Married |
| Nationality: | Singaporean |
| Languages: | English and Mandarin |
| Availability: | 2 months |
| Salary: | Current basic – SGD 6500 x 13 months  Allowances – SGD 300 per day OT allowance on weekdays. SGD 320 per day for weekend OT  Variable Bonus – 2 weeks to 1 month  Expected Salary – Minimum 10% increase from current annual package |

**Kelly Consultant’s Comments**

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| * Candidate is a Senior Materials Engineer with 10 years of experience in metallurgical failure analysis, corrosion and inspection on a wide range of engineering materials in the maritime and offshore oil & gas industries. This includes carbon [steel](http://materialsengineer.com/E-steels.htm), [stainless steels](http://materialsengineer.com/E-Stainless-Steel.htm), [copper](http://materialsengineer.com/E-Copper-Alloys.htm) base, nickel base and [aluminum](http://materialsengineer.com/E-Aluminum.htm) base alloys used for a variety of operational conditions and purposes. Main discipline is in materials technology, metallurgical failure analysis, corrosion. Certified piping inspector * Familiar with different NDT techniques and destructive laboratory testing during the verification of material property. |

**EMPLOYMENT HISTORY**

**2008 – Present**

**DET Norske VERITAS**

**Group Leader/ Senior Materials Engineer**

Key Responsibilities:

* Team leader of Corrosion and Coating Group which provides corrosion control consultancy, metallurgical testing and failure investigation of materials/components to regional Oil & Gas majors.
* Focused in the corrosion and material performance testing of offshore pipeline material operating in sour (H2S) environment and in particularly High Pressure High Temperature.
* Involved in routine material qualification of welding procedures for offshore projects.
* Also designated as the signature authority under SAC-SINGLAS for performing metallurgical, corrosion and coating testing in the company.
* Group leader of 10 engineers for corrosion and materials group
* Provides materials and corrosion consultancy, inspection and testing services to oil/gas/marine sector
* Actively involved in in-situ inspection, failure analysis and testing directly or as mentor
* Evaluates, prepare work scope and quotation from client enquiry
* Serves as project manager managing resources, schedule, budget and completing to client satisfaction
* Technical lead, reviewer and approval of reports prior to issue
* Accredited signatory and audit under ISO 17027 SINGLAS and NATAS
* Develop and maintain excellent commercial relationship with clients

Reason of Leaving: Looking for a new career challenge in the end-user/client space

**2007 – 2008**

**MatCor Technology and Services**

**Materials Engineer**

Key Responsibilities:

* Materials engineer providing laboratory failure analysis and onsite metallurgical inspection to a variety of industries which include power plants, petrochemical refineries and ship boilers

**PROJECTS**

**Materials & Corrosion consultancy includes: (Upstream and Downstream Offshore Oil and Gas Projects)**

* Failure Analysis of Fractured Anchor Bolt of Cantilever (2016)
* High Temperature High Pressure (HPHT) Corrosion Study of CRA Materials (2016)
* Material Selection of Cermets in Sour Environment (2016)
* Galvanic Corrosion Study of Pipeline Girth Weld (2015)
* Material and Corrosion Testing of Welded Carbon Steel Pipeline For Susceptibility to Sulphide Stress Cracking. Welding Qualification Project for Offshore Riser Construction in Myanmar (2015)
* Material Testing of Welded Carbon Steel Pipeline For Susceptibility to Sulphide Stress Cracking. Welding Qualification Project for Offshore Riser Construction in Thailand (2014)
* Material Testing of Welded Carbon Steel Pipeline For Susceptibility to Sulphide Stress Cracking. Welding Qualification Project for Offshore Riser Construction in Myanmar (2013)
* 3rd Party Inspection and Corrosion Failure Analysis of CPP (Controllable Pitch Propeller) Hub of Vessel in Singapore (2013)
* Material Testing of Welded Carbon Steel Pipeline For Susceptibility to Sulphide Stress Cracking. Welding Qualification Project for Offshore Riser Construction in Thailand (2012)
* Material Qualification (SSC, HIC and CSCC) Testing of 22Cr and 25Cr Duplex Stainless Steel for Japan Steel Mill (2012)
* Coating Qualification Testing for Onshore and Offshore Pipeline Construction in South East Asia and Australia (2012)
* Failure Analysis of Aluminum Thrust Housing of Main Engine (2012)
* Onsite Inspection and Metallurgical Assessment of Cupper Induced Cracking at Weld Root for Onshore Pipeline Project in Australia. Involved as Team Member for Fitness-For-Service Assessment of Pipeline (2011)
* Failure Investigation of Cracked Sealing Plates for Blow-out Preventer in Indonesia (2011)
* Onsite Inspection and Corrosion Assessment of Corroded 28” Ball Valve for Offshore Installation in Malaysia (2011)
* Failure Investigation of Cracked Cu-Ni Welding Neck Flanges for Firewater Pipeline of Offshore Installation in Indonesia (2010)
* Failure Investigation of Separated Drill Pipes for Drilling Operation in Indonesia and Malaysia (2010)
* Offshore Material Verification of Sigma Phases in Duplex Stainless Steel Fittings in China (2009)
* Onsite Metallurgical Creep Assessment of 20Cr-32Ni-Nb Outlet Header of Reformer Furnace in Gas Processing Plant (2008)
* 3rd Party Technical Witness and Auditing Team on Heat treatment Plant of Riser Pins in China (2008)
* Onsite metallurgical inspection of boiler tubes onboard ship in Malaysia (2008)
* Onsite and laboratory examination of creep damages on reformer furnaces in petrochemical plants of Singapore and Malaysia (2007)

**EDUCATION & PROFESSIONAL DEVELOPMENT**

**Bachelor of Material Science and Engineering 2006**

Nanyang Technological University

**Professional Attainments and Courses:**

* NACE – Basic Corrosion Course (2008)
* BOSET – Basic Offshore and Safety Emergency Training (2009)
* SWS – Visual Examination of Welding (2009)
* SWS – Structural Welding Design (2009)
* PETROEDGE – Essential Drillings for Engineers (2009)
* NACE – Corrosion Control in the Refinery Industry (2010)
* API 570 – Process Piping Inspector (39709) (2010)
* DET Norske VERITAS – South East Asia Leadership Development Program (2012)
* SINGLAS - ISO 17025 Laboratory Management System (2013)
* SIMTech: Introduction to ARC Welding (2013)
* NACE – Painting and Corrosion Specialist Level 1 (2013)
* API 571- Material and Corrosion Professional [54289] (2014)
* DNVGL the Journey: Global Leadership Development Program (2014)

**Professional Memberships:**

* Member of National Association of Corrosion Engineer (NACE)
* Member of Singapore Welding Society (SWS)
* Authorized Piping Inspector of America Petroleum Institute (API)