

# MUHAMMAD JUJULY

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## SUMMARY

- **Education:** Bachelor and Master's degree of Engineering, holding EIT, Certified Lean Six Sigma Yellow Belt (CSSYB)
- **Experience:** 3+ years of in multidisciplinary engineering project coordination, implemented quality management systems and process improvement in manufacturing industries and reduced wastes and process downtime by 5%
- **Quality Assurance:** Process Audits in production floor to enhance *GMP & productivity* through *ISO9001/HACCP*
- **Project Management:** Analytical & detail oriented: developed project proposals, reports & client deliverables
- **Software:** Data analysis, design and statistical tools: Excel (VBA), MS Office package, Visio, SQL, CAD, Minitab

## RELATED EXPERIENCE

### Quality Assurance Coordinator

Jan 2017-current

*PaperWorks Industries Inc., Kitchener, Ontario*

- Reviewed quality documents: Work Instructions, SOP, technical specifications of equipment and products
- Coordinated with production and management teams for root cause analysis of claims & corrective actions
- Analyzed & interpreted statistical data using SPC & DOE, calculated cost of quality, process capability & KPIs
- Participated 5S, six sigma and continuous improvement project to reduce waste and conducted EHS training
- Managed nonconformances, performed quality improvement, process safety and ISO 9001 internal audits by coordinating audit coverage with multidisciplinary team to comply with relevant codes, standards & legislation

### Project Engineer (R&D)

Jul 2015-Oct 2016

*Centre for Risk, Integrity and Safety Engineering Lab at MUN, St. John's, NL*

- Coordinated Process Hazard Analysis project, analyzed PFD, P&ID, HAZOP of process facilities and developed computational model for Risk Assessment and mitigation plans using CFD and statistical approach
- Performed diagnosis and troubleshooting of process equipment: reverse osmosis, distillation and reactors
- Developed technical project proposals and budgeting, collaborated with team members to track the project update, client deliverables, and managed project documentations, blue prints, specs and quotations
- Reviewed and validated experiments, published results in Reliability Engineering & System Safety journal

### Chemical Engineer

Nov 2010-May 2012

*Reed Consulting BD Ltd., Dhaka. Sustainability development project of World Bank (IFC)*

- Provided consulting support to the customer on energy and waste reduction plans to improve efficiency
- Interacted with management and engineering team to collect & analyze production data to optimize cost
- Responded technical queries of customers and stakeholders regarding safety and productivity improvement
- Prepared factory assessment reports and presented the audit findings and improvement plans for customer

### Process Engineer in Training

Aug 2007-Aug 2008

*Samuda Chemical Complex Ltd., Bangladesh, A largest producer of food grade peroxide*

- Prepared daily production report of 6000 tons/year peroxide plant; supervised plant operators
- Responsible for the quality control through HACCP of the food grade peroxide production and storage
- Studied the HAZOP procedure, process flow diagram (PFD) and P&ID for the installation of equipment
- Operated distributed process control system, scheduled preventive maintenance to ensure safe operation

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## OTHER EXPERIENCE

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**EH&S Auditor** Freelance consultant at GIZ PSES, A&J Corporation, Dhaka May 2012-Jan 2013

- **Compliance:** Conducted compliance audits with health & safety and environmental legislation including OHSA Regulations, chemical handling and production equipment operating safety regulations according to SOPs

**Lab Assistant** at Process Systems Design & Control Laboratory, South Korea Sep 2008-Oct 2010

- **R&D:** Assisted in designing production units such as separators and reactors for better process control; supervised lab safety and conducted WHMIS training to the entry level researchers

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## EDUCATION

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**Memorial University of Newfoundland**, St. John's, NL 2013 - 2015  
*Masters in Process Engineering (Research Based)*

**Bangladesh University of Engineering & Technology**, Dhaka 2003 - 2008  
*B.Sc. in Chemical Engineering*

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## PROFESSIONAL TRAINING & MEMBERSHIP

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- Engineer in Training (EIT) Canada, Membership No: G4007
- Member of American Society for Quality (ASQ) and American Institute of Chemical Engineers (AIChE)
- Energy Auditor Training Component by International Finance Corporation (IFC), in 2010
- Corporate Social Responsibilities & Lean Continuous Improvement training by RCB in 2011

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## VOLUNTEERING ACTIVITIES

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- Team Leader: Newfoundland Oil & Gas Association annual conference in both 2014 and 2015
  - Senior Ambassador: Memorial University of Newfoundland leadership program from 2013-2015
  - Volunteered in 150 years mentorship program, mentored by Malcom McLean, VP Husky energy
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**REFERENCES:** Available upon Request