Brisbane, QLD
Mobile: 0403730392
E-mail: jnybrahma@gmail.com

Jnyananjoy Brahma

PROFILE	Professional, highly qualified OT /IT, Electrical and Control Systems Engineer with excellent organisation and team working skills. Ideal candidate for position requiring drive, initiative, responsibility, and challenge.

EDUCATION

2006 – 2008
Griffith University, Gold Coast, Qld
Master of Information Technology
(Software Development)

1993 – 1997
Regional Engineering College, Silchar, Assam, India.
Bachelor of Engineering
(Electrical Engineering)

EMPLOYEMENT

July,2018 – Sept,2025
SEQWATER,
117 Brisbane Street, Ipswich,
Australia

Operational Technology Engineer

- Designed and developed demo Water Treatment sedimentation and filtration model using MATLAB App integrate with TIA Portal and Citect SCADA system.
- Documented and verify PLC standard blocks datasheets and test sheet.
- Developed VBS script macros in excel to search and sort OT asset database.
- Develop business case to test and implement Version Control Management Tool.
- Managed Control system standards and engineering deviation request.
- Developed engineering and control system standards.
- Developed control system assets capability and condition rating tool in excel-macros and dashboard in Tableau.
- Carried out FAT, SAT and Commissioning for PLC and SCADA upgrade projects for Water Treatment Plant.

July,2015 – June ,2018
SEQWATER,
117 Brisbane Street, Ipswich,
Australia

Electrical and Control Systems Engineer

- Liaised with Engineers, Project Manager and Operations on tasks.
- Ensured health & safety procedures were adhered to and reported any breaches.
- Conducted site investigations of water treatment plants and water pipeline networks for control systems upgrade.
- Developed site investigation reports and existing state planning drawings for water treatment plant, pump station and offtakes related to MCS (Monitoring and Control System) program.
- Assisted Senior Planning engineers to prepare planning drawings, cost estimate and business case.
- Developed and review electrical and control systems upgrade MCS program projects.
- Contributed to the project deliverables and outcomes of MCS programs.
- Assisted Senior planning engineers to prepared documents including technical reports, scopes of work, option analysis and business case.
- Reported on progress at Weekly team meetings.
- Established and Maintained effective relationships with internal and external stakeholders for MCS program and Operation of water assets.
- Observed and complied with Occupational Health and Safety Standards and practices, Quality Management System Procedures and Environmental Management Systems procedures.

Oct,2012 – July, 2015
SUNWATER LTD,
179 Turbot Street, Brisbane,
Australia

Electrical Engineer and Energy Management Advisor

- Reported to the Manager for all tasks.
- Ensured health & safety procedures were adhered to and reported any breaches.
- Managed electrical equipment and control system refurbishment & enhancement planning in SAP.
- Manage selected capital and operating projects related to control system replacement and option analysis study.
- Asset & reliability engineering support for operating facilities to pipelines, pumping units and dams.
- Manage a Refurbishment and Enhancement program of work that includes requirements analysis, planning and delivery for various electrical, control system and communication asset improvement projects in a way that ensures that quality, financial and output targets are met.
- Developed Procedure to collected data for National Green House Emission Reporting (NGER) for Clean Energy Regulator.
- Submitted NGER data and report in Emissions and Energy Reporting system (EERS) on behalf of corporate CEO.

- Develop database program in VB / excel macros to record the event logs to kept track of reliability and utilization of pipelines.
- Developed planning and management of projects including developing scopes and estimating project costs for electrical switchboards, PLC, SCADA and RTU control system upgrade.
- SCADA (Citect) and PLC (Modicon) site support for pump stations.
- Develop SCADA projects to monitor and record pump efficiency and performance.
- Project manager for preliminary investigation and study the technical and economic feasibility of VFD drives.

June ,2011 – June, 2012
SAGE AUTOMATION,
39 Bennet Avenue, Melrose Park,
South Australia

Systems Engineer

- Reported to the Team Manager and Senior Project Team Leader.
- Assisted in developing SCADA Screens using iFix SCADA Software for Waste Water Treatment Plant and NSISP (North-Eastern Interconnector System Project) Project for SA Water, Adelaide.
- Carried out FAT (Factory Acceptance Testing) of Control Panels for NSISP Project.
- Developed PLC code, installation and tested functional blocks of PLC Code in Unity Pro for NSISP Project.
- Developed, Installation and Commissioning of HMI (Vijeo Designer – Schneider) Screens for NSISP Project.
- Carried out RTU (SCADAPack- Schneider) setup and Configuration for NSISP Project.
- Carried out Point to Point test and commissioning of PLC (Schneider-Quantum) and Control panel for Flocculant Plant, Iluka Mines Victoria.
- Developed Citect SCADA program for United Dairy, South Australia.

April ,2010 – April 2011
EPIC ENERGY PTY LTD,
26 High Street, Dry Creek,
South Australia

Capital Project Engineer

- Liaised with Engineers, Contractors and reported to the Principal Engineer and Engineering Manager on all task.
- Managed Capital Projects which includes Procurement, Planning, and Budgeting and Executing management.
- Managed Ground / Anode Bed and Cathodic Protection Unit replacement Project which includes procurement, planning, and installation and commissioning.
- Managed Solar Panel and RTU replacement Project which includes procurement, planning, and installation and commissioning.

- Conducted investigation of plant registration of pressure vessels and developed plan for Inspection for integrity and asset management as per AS/NZS 3788:2006, AS 4343.
- Ensured health & Safety procedures were adhered to report any breaches.

August ,2008 – January, 2010
NILSEN (VIC) PTY LTD,
71 Princes Drive, Morwell,
Victoria

Electrical Engineer

- Reported to the Senior Project Engineer and Acting Manager.
- Assisted Senior Engineer with designing and Programming of MCC Switch Room Panel, Control Panel and PLC / HMI program for Coal Terminal, Stacker / Reclaimer Project in PCQ (Port Corporation of Queensland) Bowen, Queensland.
- Developed Functional Control Specification for Stacker / Reclaimer Project.
- Carried out factory acceptance testing (FAT) of Switchroom, MCC and Control Panel for Stacker / Reclaimer Project.
- Carried out Point to Point Testing of Control panels.
- Designed and Developed HMI (RsView / Factory Talk). Analyses Algorithms and PLC Program Logic in RsLogix 5000 (Allen Bradley) for Stacker / Reclaimer Project.
- Analysis and Develop PLC code.
- Developed working experience and technical Knowledge to design and program DeviceNet and ControlNet for Stacker / Reclaimer Project.
- Developed working and technical Knowledge to configure VSD (Variable Speed Drive) Allen Bradley, PowerFlex 700.

July ,1999 – May, 2006
INDIAN OIL CORPORATION LTD,
(Pipeline Division), Indian Oil Bhavan,
A-1 Udyog Marg, Sector-1,
Noida, India.

Operation and Maintenance Engineer

- Reported to the Operation Manager for day-to-day activities and reports.
- Developed working knowledge and experience in SAP R/3 MM (Material Management) and PM (Plant Maintenance) Module.
- Prepared Operation and Maintenance reports.
- Carried out installation and commissioning of Ultrasonic IFD (Interface detector) and interfacing with PLC / SCADA system.
- Supervised operation activities in Petroleum Pipeline.
- Carried out installation and commission of LT motors and Soft Starter.

- Carried Out Installations and Commissioning of Cathodic Protect (Transformer Rectifier Units) in Petroleum Pipeline.

SKILLS	**Computer:** Working knowledge of programming languages C / C#, Java, Visual Basic, PHP. Highly proficient at Access, Mysql, Excel, Word & PowerPoint. Working Knowledge and experience of MATLAB and Python programming and experience of HTML, PLC programming (RsLogix 5000, Unity Pro) and SCADA programming (Citect, iFix, Factory Talk). **Presentation:** Developed ability to produce reports and presentations to a professional standard. **Analysis & Evaluation:** Proficient in assessing data and formulating solutions. **Organisational:** Effective at time management and prioritising tasks. To achieve deadlines. **Interpersonal / Communication:** Strong team working, leadership and communication skills.
OTHER CERTIFICATES AND TRAINING	➢ **BSB41515 Certificate IV in Project Management Practice** (Australian Institute of Management Education and Training) ➢ **ARC Flash Hazard Training** (Welcon Technology Pty Ltd, Brisbane) ➢ **Citect SCADA Configuration Training** (Schneider Electric, Brisbane) ➢ **Unity Pro Programming, Level 1** (Schneider Electric, Adelaide) ➢ **Rockwell Automation Performance Training (Control Logix)** (Rockwell Automation, Victoria)
INTERESTS & ACHIEVEMENTS	**University:** Griffith University Award for Academic Excellence 2006/2007. **Driving**: Full Driving licence. Trained to drive 4-wheel drive vehicle.
PROFESSIONAL MEMBERSHIP	➢ Student Member, Australian Computer Society - 2007 – 2009 ➢ The Institute of Engineers Australia, Engineers Australia
REFERENCES:	