Enamul Kabir

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**OBJECTIVE**

Seeking a position within the field of engineering which recognizes in professional and personal goals, values, technical excellence and provides opportunity to use and nourish technical skills.

**EDUCATION**

B.E., Electrical Engineering, the City College of New York, 2007, GPA: 3.29

TECHNICAL / SOFTWARE SKILLS

* **Operating System**: Windows XP, UNIX, DOS
* **Design Software**: AutoCAD, Dreamweaver, HTML
* **Database/Language**: C, C++, MS Access, Oracle PL/SQL
* **Applications**: MS Office, MATLAB, Labview, Electronic Workbench, PSpice, EMS, PSS/E
* **Relevant Skills**: Project management, design, strong problem solving and analytical skills

**SECURITY CLEARANCE**

Inactive ‘secret’ security clearance from DoD

**EXPERIENCE**

**ISO New England, Holyoke, MA**

**Electrical Engineer (Consultant) 06/2008 – 10/2010**

***Network Model Operational Excellence Project***

* develop a network model database to collect, identify, and index all network data needs for the ISO New England.
* index all network data and serve as the foundation for the long term network modeling effort.
* create a process for the on-going collection of network data that eliminates the inconsistencies and streamlines the source.
* analyze and map network model data from various data sources and consumers. The existing data sources include NX-9, EMS, PSS/E, Market DB, and other databases.
* write guidelines of modeling and best practices for bus, sub-transmission, distribution transformers, line taps, load zone, dispatch zone, RSP zone, and voltage zones etc.
* write a business requirements document for the ‘Model on Demand’ software configuration

***EMS to PSS/E Mapping Project***

* Write a Business Requirements document for EMS to PSS/E Mapping

***Software Quality Assurance Testing for various projects***

* Perform quality assurance testing of software for the following projects:

1. FCM-III project: Long-term outage coordination operable capacity margin tool
2. FCM-III project: Short-term outage coordination operable capacity margin tool
3. Demand Response Integration project: ISO transmission system GPS coordinates

* The Software programs were developed by ISO New England developers. The testing phases were – a) prepare test-plan, b) develop test scripts, c) generate test data, d) data validation using SQL, e) execute regression, functional, and system testing, f) verify results and producing test summaries and defect reports, g) identify defects and requirement discrepancies, h) generate defect change requests and reporting discrepancies, i) retest SIR/SPR items

**Rockwell Collins, Cedar Rapids, IA**

**Software Engineer 07/2007 – 04/2008**

* design, implement, and integration of black human machine interface (HMI) memory loader/verifier (MLV)
* develop engineering test procedure (ETP) of red HMI for the followings: built in test, RS-232 test, RS-485 test, MIL-1553 test, and Ethernet test.
* write and update software requirements.
* write software codes in C.

**New York City Transit Authority, Brooklyn, NY**

**College Aide 06/2005 – 07/2006**

* assist the director, environmental compliance of buses, in environmental compliance audits
* participate in environmental audits of NYCT facilities and assist in regulatory compliance efforts
* review spill prevention control and countermeasure (SPCC) regulations and assist the director in updating the SPCC plans
* conduct field-survey of petroleum and chemical bulk storage tank systems
* design, develop, and update a database to keep track of the followings: compliance audits, spill incidents, freon handling systems, bulk storage tank systems, leak detection reporting systems (simplicity), fuel consumptions for air emission tracking.

****Design Project, the City College of New York****

****Electronic Inventory Management System using RFID**** 0****8/2005 – 05/2006****

* design and develop an ‘Automated Electronic Inventory Management System’ using RFID technology. This project was composed of a receiver, a microprocessor, a memory, and a display unit.
* the design project was written on VHDL in Xilinx platform. The system detects and increment/ decrement automatically when a new product is added to or subtracted from the system. A user was able to get updated inventory records from the display unit. Also, the system was able to generate reports when any product is going to be expired.