Richard Munn

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**Summary**

I have over thirty years of experience as a Team Leader, Project Leader, Database Engineer, Systems Engineer, Senior Analyst and Business Analyst with specific experience in:

* Department of Defense (DoD) Intelligence Community (IC)
	+ Database Engineer
	+ Systems Engineer
* Data Warehouse/Business Intelligence
	+ Project Lead
	+ Corporate Data Warehouse Administrator
* Enterprise Resource Planning (ERP) Financials Systems
	+ Site Administrator
	+ ERP Installation Project Lead
	+ Senior Systems Project Leader

I am an experienced Database Engineer (DBE), serving as a Lead DBE for the Army National Ground Intelligence Center (NGIC) Biometric Intelligence Resource (BIR) program for over two years, and the Lead DBE on the Combat Incident / Joint Trauma Analysis program for two and half years, along with other database engineering experience. I have worked extensively with monitoring and optimizing applications and database performance, and debugging and performance tuning at both the application and server level. I have served as a database architect in various capacities. I am proficient with PL/SQL, SQL and Unix/Linux. I have extensive knowledge of relational databases and database objects, and have over twelve years of Oracle (11g & 12c) and over three years of SQL Server experience.

I am an experienced Systems Engineer (SE), having served as an Engineer for several different projects of varying size and complexity over the years. My most recent SE role as a Lead Systems Engineer for the Army National Ground Intelligence Center (NGIC) Identity Intelligence (I2) systems included maintaining comprehensive I2 data flows, ensuring integrity of data, facilitating support to the Network Operations Center, facilitating software testing and deployments with the IT Directorate, maintaining software and document configuration control, documenting standard operating procedures, and ensuring all requirements are met.

I have also provided Systems Engineering and Technical Assistance (SETA) oversight on three major Biometrics programs for NGIC, ensuring delivery from functional requirements through development, testing and release. Some of the specific responsibilities included ensuring all requirements were met and providing project risk analysis and mitigation plans.

**Security Clearance**

Active DoD Top Secret with SCI. Latest PR adjudicated 01-APR-2019.

**Education and Training**

Masters Certificate in Business Analysis, Villanova University, 2006

Bachelor of Science in Management Information Systems, Southern New Hampshire University, 1990

Associate of Science in Data Processing, Community College of the Air Force, 1986

CompTIA Security+ ce Certification, 2015

Emerging Leaders, CACI, 2012

Leadership and Team Development, Booz Allen Hamilton, 2008

Pacific Air Forces Non-Commissioned Officers Leadership School, U.S. Air Force, 1982

U.S. Air Force Technical Training School, U.S. Air Force, 1980

**Professional Experience and Background**

**Database Analyst, Virginia Beach VA**

**Spathe Systems**, January 2021 *– present*

\* Database Analyst - Master. I serve as a Database Analyst on the Enterprise Knowledge Management Team in support of the Naval Special Warfare Development Group. I am the subject matter expert in data management and database development. I support Enterprise Data Warehouses in SQL Server and Oracle, to include design, creation and management. I create data models, data dictionaries and metadata standards. I utilize database development tools to include SQL Server Integration Services (SSIS) and SQL Server Reporting Services.

**Senior Database Engineer, Port Hueneme CA**

**New Directions Technologies Inc.**, O*ctober 2018 – January 2021*

\* Senior Database Engineer. I served as the Database Lead in support of Navy Enterprise Resource Planning (ERP), Data Warehouse (DW) and Business Intelligence (BI) systems.  I developed BI and DW systems, to include dimensional modeling, schema design, Extract Transform and Load (ETL) processing using Microsoft SQL Server databases, SQL Server Integration Services (SSIS), and Reporting/OLAP analysis with both SQL Server subsystems and IBM Cognos BI tools.  I interfaced with SQL Server databases using TSQL and SQL.  I analyzed corporate data and presented the data using Microsoft Reporting Services and Analysis Services.  I created database components that include stored procedures, functions and scheduled jobs.  I evaluated impacts of upgrades to ERP system to ensure minimal risk to the organization.  I also served as the internal point of contact and expert over the ERP systems, business systems and internal operating procedures.

**Senior Systems Engineer, Charlottesville VA**

**E&M Technologies Inc.**, *May 2018 – September 2018*

\* Lead Systems Engineer. I served as the Technical Team Lead for the Army National Ground Intelligence Center (NGIC) Identity Intelligence (I2) systems. I provided system engineering support of NGIC's I2 IT architecture, infrastructure, and internal/external interfaces. This included maintaining comprehensive I2 data flows, ensuring integrity of data, facilitating support to NGIC’s Network Operations Center, facilitating software testing and deployments with the NGIC IT Directorate, maintaining software and document configuration control, documenting standard operating procedures, and ensuring all requirements are met. I supervised four team members.

**Database Engineer, Charlottesville VA**

**Blackhawk Enterprise Inc.**, O*ctober 2015 – May 2018*

\* Database Engineer. I served as the Database Lead on the Combat Incident / Joint Trauma Analysis database for the Army National Ground Intelligence Center (NGIC). Duties included database architecture (data modeling and database design); maintaining database tables and views; maintaining Role Based Access (RBAC) using Oracle Virtual Private Database (VPD); data ingestion; developing and maintaining procedures, triggers and views using PL/SQL and SQL utilizing the SQL Developer application development tool; database tuning; database deployment responsibility; and maintaining system technical documentation. I lead the effort to upgrade the application database from Oracle 11g to Oracle 12c. The position required working as a team with the front-end application developers within an Agile development environment utilizing Jira for issue and workflow tracking, along with frequent coordination with the Database Administrators (DBAs). The database environment was Oracle 11g on a Linux platform and Oracle 12c on a Windows server.

**Principal Systems Engineer, Warrenton VA**

**General Dynamics Information Technology**, *February 2014 – October 2015*

\* Database Architect. I was a Database Architect on the Medicare Medicaid Data Integration (MMDI) program, an initiative to support the implementation of State programs that integrate care for individuals enrolled in both Medicare and Medicaid. I was responsible for evaluating customer's business and technology platforms and identifying opportunities to improve data integration efforts, as well as supporting the development of recommended technology solutions and assisting the states in data modeling and design.

\* Technical Lead. As the Centers for Medicare and Medicaid Services (CMS) Health Care Quality Information Systems (HCQIS) program Line of Business (LOB) Technical Lead, I acted as the GDIT technical focal point to interface with the CMS LOB Government Technical Lead (GTL), Application Development Organizations, the Program Management Office, and internal operational and engineering teams and GDIT program management. As a member of the Enterprise Architecture Team I worked with the engineering teams and enterprise architects to maintain the consistency of the IT infrastructure utilizing current technology standards and assisted in systems design. I was also responsible for maintaining system architecture documentation.

**Database Engineer / Business Analyst, Charlottesville VA**

**CACI**, *November 2011 – February 2014*

\* Database Engineer. I served as a Senior Database Engineer on the re-architecture of the Corporate IT database for the Army National Ground Intelligence Center (NGIC). This required working with an NGIC Business Analyst to identify data usage, cleanse and eliminate redundant data, and model and design the Oracle 11g database for more efficient access utilizing the TOAD Data Modeler tool.

\* Surge Task Lead / Business Analyst. I served as the Task Lead for a surge effort to re-write the Corporate IT Systems for NGIC. I was directly involved with the hiring process to build the team to eight members. I oversaw the work effort of the team and acted as the primary point of contact between the customer and CACI. I also performed business process analysis, re-engineering of existing systems, and requirements analysis/development.

\* Biometrics Database Engineer. I served as the Team Lead for the implementation of the Identity Intelligence Signatures Database (I2SDB), a Defense Intelligence Agency classified biometric identification system designed to provide timely identification responses to discreet customers and also support Intelligence Analysts in the creation of products resulting from Requests for Information (RFI). Duties included reviewing existing business processes and overall requirements analysis/development. I provided valuable engineering insight and years of biometrics systems technical experience to the resulting architecture and database design of I2SDB in an Oracle 11g and Unix environment. I supervised two team members.

**Senior Systems Engineer, Charlottesville VA**

**Pragmatics, Inc.**, *March 2009 – November 2010*

I applied my engineering skills and experience to an oversight and technical assistance role with the Army National Ground Intelligence Center (NGIC) Biometrics Systems. I was assigned as a Systems Engineer and Technical Assistance (SETA), quickly coming up to speed on both the SETA responsibilities and the supported biometrics programs. I was assigned to the SETA Oversight Team for the AIMS, BIR and BASS programs, retaining single SETA responsibility for AIMS. While an Oversight Team member, I was the Lead for SETA participation in Functional Quality Testing, and drafted Courses of Action and Award Fee Plan briefing documents for the Government customer. Appointed SETA Oversight Team Lead, I managed the Team while half staffed for the first four months as Lead. Specific responsibilities included reviewing and providing recommendations on contractor schedules; providing project risk analysis and mitigation plans; ensuring effective communications between contractor project management, SETA and the Government customer; ensuring all requirements were met; ensuring Government standards and processes were adhered to and coordinated; providing recommendations for project management improvements; providing recommendations on system design; providing review of project deliverables; acting as technical lead for pre-proposal, proposal, and existing program efforts; representing the organization as the prime customer contact on contracts or projects; and interacting with senior customer personnel on significant technical matters. I supervised four team members.

**Database Engineer, Charlottesville VA**

**Booz Allen Hamilton**, *December 2006 – March 2009*

\* Team Lead. I served as the Booz Allen Team Lead and Supervisor on the Army National Ground Intelligence Center (NGIC) Biometric Intelligence Resource (BIR) system, providing financial reporting statements and monthly status reports to the prime. This was in addition to my Database Engineer responsibilities. I supervised three team members.

\* Oracle Database Engineer. I was a lead Oracle Database Engineer on BIR, an Agile development environment, for the Version 1 delivery. I was instrumental in stabilizing the Oracle code base, and rewrote code to improve efficiency and integrity of the data. I was also key to the successful deployment of the Change Data Capture feature. I was the Lead for the implementation of the Automated Biometric Identification System (ABIS), a new data source for BIR, in Version 1 and Version 2. I was involved with the modeling, design and implementation of various Version 2 functionality, such as Identity Linking, US Person Processing, Data Scrubbing, Data Indexing and Oracle Label Security (OLS). I enhanced Oracle PL/SQL code to improve performance and increase functionality utilizing the TOAD application development tool. Duties also included data modeling and database design; maintaining database tables and views; data ingestion; developing and maintaining procedures, triggers and views; database tuning; and maintaining system technical documentation. The database environment was Oracle 11g on a Unix platform.

**Senior Systems Project Leader, Grand Rapids MI**

**Baker, Knapp, & Tubbs, Inc.**, *May 1999 – November 2006*

**Data Warehouse Senior Analyst, Grand Rapids MI**

**Amway Corporation**, *February 1998 – May 1999*

**Corporate Systems Analyst, Wausau WI**

**Wausau Insurance Companies**, *June 1996 - February 1998*

**Senior Programmer Analyst, Beaverton OR**

**Nike, Inc.**, *December 1990 – May 1996*

**Programmer Analyst, Bristol NH**

**Freudenberg-NOK,** *June 1986 – November 1990*

**Military Service**

**United States Air Force**, *October 1976 – May 1986*

\* Chief, Data Control Software Section, 20 Missile Warning Squadron, US Space Command, Eglin AFB, FL.

\* ADP Liaison Officer (World Wide Military Command and Control System) to the US Commander-in-Chief of the Pacific, HQ CINCPAC, Camp H.M. Smith, HI.

\* Computer Programming Specialist, HQ Electronic Security Command, Kelly AFB, TX.

**Capabilities**

* **Databases**: *Relational* - Oracle, Sybase, MS SQL Server, DB2, MS Access ; *Hierarchical* - DMS 1100
* **Languages**: SQL, PL/SQL, Transact/SQL, DDL, DML, Unix (Bash) scripting, IBM Assembler, FORTRAN, COBOL, MAPPER
* **Software**: Oracle Developer 2000, Oracle Enterprise Manager, TOAD, SQL Developer, TOAD Data Modeler, Erwin, MS Enterprise Manager, DB Artisan, Oracle ERP, MS Project, ABT Project Workbench, ScrumWorks, Eclipse, ClearQuest, Jira, Remedy, Serena Dimensions, SQL Server Management Studio, SQL Server Integration Services

**Awards**

* **Graduated summa cum laude**, Southern New Hampshire University, 1990
* **Air Force Commendation Medal**, U.S. Air Force, 1986
* **Joint Service Commendation Medal**, U.S. Commander-in-Chief of the Pacific, 1984
* **Academic Achievement Award**, Pacific Air Forces Non-Commissioned Officers Leadership School, 1982