ROBERT J. DUNN

Recognized Chicagoland IBM i authority.

SUMMARY OF QUALIFICATIONS

Over 25 years of experience leveraging in-depth IBM i technical knowledge with sharp analytical skills to identify weakness and implement business solutions that enhance efficiency and productivity in industries from Financial, to Distribution and Manufacturing. Including over 15 years of creating IBM i websites/PDA's utilizing the CGIDEV2 (ILE RPG) toolkit. Experience consuming and deploying SOAP and JSON webservices on the IBM I using ILE RPG.

Advanced education and professional development with B.S. in Business Administration. Proven success designing, developing and implementing scalable and extendable software systems. Adept at "shifting gears" between real-time customer problems and broader strategic issues. Excel at handling multiple projects simultaneously with stringent time/budget constraints. Member IBM Partner in Development Program, Active member and presenter at Chicago's OMNI user group. Reputation for diligence, follow-through and dedication to quality out comes.

TECHNICAL KNOWLEDGE

Hardware: Own two IBM i servers running V5R2 and V5R4, Microsoft Enterprise Server 2003

Languages: RPG (ILE, Visual Age and /FREE) SQL DDL and Embedded SQL, DDS, CL, PCML, HTML, CSS, JavaScript, jQuery, Qshell scripting, Net.Data, AS/Set ADK, Java/JDBC, XML, JSON.

Software: MAPICS XA, BPCS LX, PRMS, CGIDEV2, HTTPAPI, IBM IWS Server, MMAIL, Barcode (IPDS, ZPL), security/digital certificates, Infoprint PDF generation, SalesForce.com, Oauth2 security, Form Design/Overlays ,

Databases: DB2 for i, SQL Server
Trigger programs, Stored Procedures, UDF's, Referential Constraints, Views and Indexes.

Networking: TCP/IP (SMTP, POP, FTP, HTTP(Apache), Telnet), SNADS.

Desk Top: Microsoft Windows, Microsoft Office Applications, ODBC, soapUI, Fiddler, Google Advanced REST Client.

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PROFESSIONAL EXPERIENCE

The Morey Corporation, Woodridge, IL   *2008-Present*
Consultant – Design, code and implement IBM i Web Site in a Manufacturing/Distribution environment.

- Design, Code and Implement web sites that enabled Morey Corporation External Clients to place/maintain orders in a supply chain management system utilizing CGIDEV2 technology (ILE RPG /FREE).
- Create web based menu and security systems for the External Clients.
- Created SOAP and REST based web services (providers and consumers) using Scott Klements HTTPAPI software to directly interface with SalesForce.com.

Intermodal Services and Logistics, Inc, (ISNL) Tinley Park, IL   *2015-Present*
Consultant / Technical Consultant - Design, code and implement IBM i software package TMS Metals logistics software using CGIDEV2 and ILE RPG /FREE.

- Email load tendering to carriers based on price and business rules that ensure the best cost per load.
- Develop CGIDEV2/jQuery UI Portable Device (smart phone/tablet) interfaces to TMS.
- Use JDBC to interface with customer's database.
- Inventory and equipment control.

First Chicago Insurance Corporation, (FCIC) Bedford Park, IL   *2017-Present*
Consultant / Technical Consultant – Design and develop CGIDEV2 web site for broker inquiry and payments using ILE RPG /FREE and SQL.

- Configure HTTP server and necessary supporting infrastructure.
- Create application templates FCIC employees can use to create applications.
- Mentor existing IBM i staff on Web Development and CGIDEV2 development.

Financial Management Services, Inc. (FMSI), Naperville, IL   *2012-Present*
Consultant – Design, code and implement Loan/Lease program for financing residential Solar Power installations using ILE RPG /FREE.

- Used IBM's IWS server to create SOAP and JSON web services that allow business partners software to interact with *SunLender* Loan/ Lease system for quotes, eligibility and lease/loan creation.
- Integrate Sunlender documents with DocuSign cloud solution.
- Design, Code and Implement CGIDEV2 web site that enables partners to place/maintain/inquire on loans/leases in progress.
- Create Loan/Lease documents for various states and regulatory agencies. PDF forms created using InfoPrint server and Form Overlays.
- Created Documentation Management system for generation, distribution and organizing loan/lease documents in PDF and XLS.
- Apply SSL certificates to encrypt HTTP transmissions.

Dental Network of America (DNoA), Lombard, IL   *2010-2015*
Consultant / Technical Team Lead - Design, code and implement IBM i Third Party Dental Claim Adjudication system.

- One of the technical team leads responsible for Design, Coding, Implementation and Supervision of the *Teledent 2.0* Dental Claim Adjudication system.
- System developed using ILE RPG /FREE in a Service-Oriented Architecture (SOA).
- Support regulatory software enhancements including the Affordable Health Care Act (ACCA).

ISG2, LLC. Frankfort, IL   *2009 - 2011*
Consultant – Design, code and implement IBM i Web Site in a Logistics environment.

- Design, Code and Implement web based supply chain management for large coil coater utilizing CGIDEV2 technology.
- Create and code internet data exchange using FTP and Web Services (XML) to keep systems in sync.
- Create and code e-mail management system for managing load tenders to a hierarchal group of Carriers.

Material Sciences Corporation, Elk Grove Village, IL   *2007-2011*
Consultant – Design, code and implement IBM i Web Site in a MAPICS/XA environment.

- Design, Code and Implement web based customer portal utilizing CGIDEV2 technology.
- Allow Customers of Material Sciences to view real time information regarding their on hand inventory, shipment orders and receipts.
- Created internet Excel downloads for portal customers for orders and inventory utilizing CGIDEV2 technology.

ADS Logistics, LLC. Homewood, IL   *2007-2009*
Consultant – Design, code and implement iSeries Internet Web Site in a Logistics environment.

- Design, Code and Implement web based supply chain management system utilizing CGIDEV2 technology.
- Create and code internet data exchange using FTP and Web Services (XML) to keep systems in sync.
- Create and code e-mail management system for managing load tenders to a hierarchal group of Carriers.
- Enable internet forms printing for Pick Lists, Bill Of Ladings, etc..
- Create and code load aggregation algorithms to maximize the weights for tendered loads.

Infor Corporation, Chicago, IL   2006-2007
ERP$_{LX}$ Feature Pack 2 Development - Region Code Enhancement.

- Enable ERP**$_{LX}$** applications to process using date and time as defined by controlling entity's region code.

- Focus was primarily Supply Chain Management (SCM), concentrating in Outbound Logistic Management (OLM).
- Using customer orders, build outbound shipments/loads by converting dates and times (Request,Shipped,Scheduled,Pickup,Appointment,Dispatch,etc.) from a stored system format to the format of the user defined region code of the governing sending or receiving entity (warehouse,facility,customer,ship to,etc.).

Chicago Finished Metals, Bridgeview, IL   2004-2007
Consultant - MAPICS technical resource serving 150 + user community on all applications.

- Added Online Scrap transaction processing/reporting to Shop Floor system in VA/RPG.
- Created order reconciliation system by MO/CO/Customer PO.
- Used CGIDEV2 to add Online P.O. Reconciliation to Corporate web site.
- Used CGIDEV2 to enable Online reporting in an Excel compatible format.
- Used ADO (OLE/DB) to call External Stored procedures on iSeries to quickly and securely populate Excel spreadsheets.

Hollywood Casino Aurora, Aurora, IL   2005-2015
Consultant – Design, code and implement exclusionary module to Bally ACSC system.

- Automate Import of Illinois Gamming Board self exclusion file to iSeries.
- Created supported databases for exclusion tracking and reporting.
- Wrote all applications to add/maintain/report for Exclusion system.
- Presented new system to parent company (Penn National Gaming) in which new system was enthusiastically received.

The Morey Corporation, Woodridge, IL   2004-2007
Consultant – Design, code and implement iSeries Internet Portal in a PRMS environment.

- Taught CGIDEV2 techniques, HTML, CSS, and JavaScript to Morey development staff.
- Designed and coded Internet Security System using Validation List and Menu Security.
- Set up test and production iSeries web servers (www.moreycorp.com).
- Designed and coded Customer Order and Shipping section of Internet Portal.
- Used JavaScript in Vendor Portal to pass data between screens without evoking the server.
- Created clients first ILE building blocks (modules, service programs, binding directories, etc).
- Created an FTP file transfer system between Navistar and client.
- Created a trigger program in ILE RPG to ensure Purchasing data integrity.
- Created External Stored Procedure in ILE RPG to enable fast and secure data access from DB2/400 to Lotus Notes applications.
- Automated shipment information from UPS, FedEx and Menlo using ODBC to DB2/400.
- Enabled iSeries QNTC file system to transfer data / reports directly from iSeries to Windows shared network drives.
- ISO Certification, reconcile PRMS Users/Options with Lotus Notes Human Resource Software.
- Modified PRMS Accounts Payable system to automatically credit AP disputed accounts for invoices held and reverse disputed transactions when invoices taken off hold.
- Modified PRMS Billing job stream to invoice Caterpillar for inventory built but not shipped.

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Certified Grocers Midwest Inc., Hodgkins, IL   2004-2004
Consultant – iSeries V5R2 Training in an IDS software environment.

- Taught classes on iSeries Work Management.
- Taught classes on iSeries Security.
- Taught classes on iSeries Operations and iSeries Navigator.
- Installed Extol EDI system.
- Taught operations staff how to order and apply PTF's and Cume releases.

Chicago Finished Metals, Bridgeview, IL   2000-2004
Consultant - MAPICS technical resource serving 150 + user community on all applications.

- Created Corporate Web site for Chicago Finished Metals(cis.cmc-corp,net) using iSeries as the Host and CGIDEV2(RPG) technology as the framework.
- Created Chicago Finished Metals intranet using iSeries as the Host and CGIDEV2(RPG) technology as the framework.
- Pioneered emailing(SMTP) of reports and documents generated on the iSeries to users and customers using SNDDST and later QtmmSendMail(mmmail).
- Pioneered distribution of reports and documents generated on the iSeries to users mapped iSeries drives in a pc compatible format(CSV/Tab, HTML, TIFF).
- Pioneered the use of modern ILE coding techniques(functions, modules, service programs, binding directories) in software development.
- Pioneered the use of embedded SQL in ILE RPG program, including dynamic SQL statements(PREPARE) as well as Stored Procedures.
- Pioneered 5250 "popup" windows and window subfiles.
- Pioneered easily maintainable database "TRIGGER" programs to ensure referential integrity between Coil Tracking System and MAPICS.
- Pioneered use of Overlays for replacing preprinted forms, enabling electronic distribution of documents and digital archiving.
- Improved response time 400% of Coil Tracking Shop Floor system(written in VA/RPG) by replacing a native iSeries database access with DTAQ's and multiple occurrence data structures as parameters.
- Numerous additions, modifications and enhancements to Coil Tracking Shop Floor system(written in VA/RPG).
- Numerous additions, modifications and enhancements to Coil Tracking system (written in RPG(III,LE and /FREE).
- Numerous additions, modifications and enhancements to MAPICS XA to better integrate with Coil Tracking system.

System Software Associates, Chicago, IL   1995-2000
Consultant – Worked on all facets of BPCS from 4.0 on System/38 to 6.0 on the iSeries.

- Coded Advanced Process Industries Enhancements.
- Coded container level inventory module in BPCS.
- Coded Multi-Facility Support.
- Coded BPCS Windows Project.

- Coded Y2K Compliance project.
- Coded AS/SETization project.
- Designed and coded Configurable Enterprise Accounting(CEA).
- Designed and coded Advanced Transaction Processing(ATP).
- Helpline Technical support for all supported releases of BPCS.

Chicago Metallic Corporation, Chicago, IL   1993-1995
Consultant – PRMS modifications and enhancements.

- Created work in process(WIP) inquiry system.
- Designed and coded inventory analysis system.
- Rewrote Payroll/Personnel system to accommodate multiple facilities as well as cost/profit center analysis.
- Converted Payroll Payment process to ADP.

Business Services Incorporated(BSI), Mount Prospect, IL   1991-1993
Consultant – Full cycle campaign processing with inbound/outbound logistics.

- Developed Inbound/Outbound Telemarketing and Fulfillment System.
- Designed and coded Inventory, Distribution and Warehousing System.

United Savings of America, Chicago, IL   1991-1993
Consultant – Financial and banking applications.

- Designed and coded Remote Job Entry(RJE)system.
- Designed and coded Generated Data Security subsystem.
- Wrote Automatic Clearing House(ACH) Subsystem.
- Developed an instant issue Cash Station System.