

Roumen Mantchev

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US Permanent Resident

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Objective **Senior PowerBuilder Application Developer and Data Architect**

Skills **Design and development of client-server applications and reporting/imaging**

PowerBuilder 3, 4, 5, 6.5, 8, 9	PFC	(11 years)
SQL (T-SQL)		(11 years)
InfoMaker		(8 years)
PowerImage		(5 years)
ObjectStart		(2 years)
Impromptu		(6 months)
Crystal Reports		(6 months)

Development of stored procedures and triggers

MS SQL Server 6.5, 7, 2000		(6 years)
Sybase Adaptive Server 11.5, 11.9, 12.x		(5 years)
Oracle 7, 8 (PL/SQL)		(5 years)
Watcom SQL, Sybase SQL Anywhere		(10 years)
Embarcadero Rapid SQL , SQL Transmitter		(6 months)

Data modeling, databases logical and physical design

ERwin/ERX		(9 years)
PowerDesigner, UML		

Deployment Tools

InstallShield		(4 years)
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Source Control Systems

PVCS		(6 years)
Microsoft Visual SourceSafe		(6 months)

Additional Skills

Distributed applications

EAServer, HTML, Java

Education M.Sc. Computer Science, University of Sofia

Training

PowerBuilder 8 Web features		(2002, Sybase)
MS SQL 2000		(2002, Microsoft)
PowerBuilder 5 Distributed Programming		(1997, Deloitte & Touche)
Building Applications Using PowerBuilder Foundation Class Library		(1997, Sybase)
Building Object Oriented Applications in PowerBuilder		(1997, Sybase)
Moving from PowerBuilder 4.0 to 5.0		(1997, Sybase)
Impromptu		(1996, Cognos)
ERwin/ERX for PowerBuilder		(1994, Germany)

Employment **05/23/05 - Present** **Contract employee at TechStar, Salem NH**
05/23/05 - Present PowerBuilder Senior Developer

09/08/04 - 02/25/05 09/08/04 - 02/25/05	Contract employee at Cityon Systems Inc, Plano TX PowerBuilder Senior Developer
02/26/96 - 12/31/03 01/01/01 - 12/31/03 01/01/98 - 12/31/00 02/26/96 - 12/31/97	Full Time employee at IDOM Inc., Newark, NJ PowerBuilder Lead Developer and Data Architect PowerBuilder Senior Developer and Data Architect PowerBuilder Developer

Clients BNP Paribas, ABN Amro, Royal Bank of Canada, Rabobank, Nordea Bank Finland, ANZ Bank, Business Backers, Maple Commercial Finance, Bank Austria Kreditanstalt, Deloitte & Touche, Williams, CARMAX.

CARMAX Car Trading Application (Order Entry) (05/05 – Present)

- Order Entry – CARMAX basic car trading application.
Huge client-server MDI Application – more then 1000 tables, hundreds of stored procedures and triggers.
Sybase 12.5.3 Database. PowerBuilder 8.0 with PowerBuilder Foundation Class (PFC) libraries. SQL Transmitter used to work with stored procedures and triggers. ClearCase used as Source Control System.
- As a member of the CARMAX development team I am responsible for:
 - analysis of the current Order Entry logic for car leasing ;
 - design and development of a new multi-state car leasing logic (windows, user objects, DataWindow objects), tables (data integrity), stored procedures and triggers.

Williams Gas Trading Applications (EMS, RIPS) (09/04 - 02/05)

- Energy Marketing System (EMS) – Williams basic gas trading application.
Large client-server MDI Application – 543 tables, 178 views, 1949 stored procedures, 623 triggers.
Sybase 12.5.2 Database. PowerBuilder 6.5 with PowerBuilder Foundation Class (PFC) libraries. Rapid SQL used to work with stored procedures and triggers. Microsoft Visual SourceSafe used as Source Control System.
- Reporting Interface Production System (RIPS) – an ancillary system to the EMS gas marketing system. It houses all EMS custom reports and accounting interfaces. RIPS is written in PowerBuilder/PFC 6.5 and uses its own database EMS-EXTRA (Sybase 12.5.2), as well as databases in EMS (Sybase 12.5.2), FinApps (Oracle) and TMAN (Oracle).
- As a member of the IBM maintenance team I was responsible for:
 - development of extended business logic for EMS at application level (windows, user objects, DataWindow objects), stored procedures and triggers;
 - development of new custom reports for RIPS. A special programming technique used to create so called ‘three dimensional’ report.

DOC-Tracker Version 3 (08/01 - 12/03)

- The primary IDOM Inc. software product for document management
- Led a team of 7 PowerBuilder developers involved in this product’s development
- Wrote all the technical specifications based on the business specifications.
- Created the application’s skeleton developing all the significant objects such as: Frame’s Menu, Common sheet window (user events), Common Tab and List windows (inherited from Common sheet window) and corresponding control logic, User’s maintenance
- Mentored the members of the development team
- Created and developed:
 - Finalization of all business specifications
 - Data base design (ERwin/ERX) MS SQL Server 7 and 2000. Data base structure, geared towards high

- level of flexibility (Meta tables) and customization for different clients
- Application framework (PowerBuilder 6.5, PowerBuilder 8, PowerBuilder 9), Ancestor objects and object functions; Application MDI interface; Application module structure; Handling of user rights; Multi-user data control (DWO update property and triggers)
- Business Intelligence facility; Dynamic modification of every Select statement clause and select list, geared towards producing a variety of reports, depending on user selections
- Proprietary reusable Data security conceptual model; Tracking of every data change and saving the information about these changes (triggers and stored procedures); Automatic Protection of vital data (triggers)
- Imaging and annotation (embedded PowerImage functions)
- Product quality control and customized deployment
- Responsible for the successful client customization and deployment of the product at:
 - BNP Paribas Bank
 - ABN Amro Bank
 - Nordea Bank Finland
 - Royal Bank of Canada (5 branches in different countries)
 - Maple Commercial Finance

Lending Transaction Processing System (LTPS) (01/01 - 12/01)

- A custom software that managed the entire lending transaction process in ANZ Bank which covers all the stages of the lending process, including decision-making workflow, client documents, payment transactions and interest handling
- Led a team of 5 PowerBuilder Developers
- Created the application's skeleton developing all the main objects such as: Frame's Menu, Common sheet window (user events), Common List and Detail windows (inherited from Common sheet window) and corresponding control logic, User's maintenance
- Mentored the members of the development team
- Created and developed finalization of all business specifications, database design (ERwin/ERX) MS SQL Server 7 and application framework (PowerBuilder 6.5)
- Ancestor objects and object functions; Application MDI interface; Workflow control
- Multi-user data control (DWO update property)
 - Payment transactions handling and interest calculations
 - Product acceptance testing and deployment
- Responsible for the successful client customization and deployment of the product at ANZ Bank, New York Branch (pilot deployment site)

Loan Insurance Tracking (LIT) (01/00 - 12/00)

- Large client-server MDI Application for the Insurance industry, providing information about Lenders, Borrowers, Loans, Attributes, and Documents associated with them
- Led a team of 8 PowerBuilder developers
- Created the application's skeleton developing all the main objects such as: Frame's Menu, Common sheet window (user events), Common List and Detail windows (inherited from Common sheet window) and corresponding control logic, User's maintenance
- Mentored the members of the development team
- Created and developed business rules (client side), Data base design (ERwin/ERX). MS SQL Server 6.5, 7, Application framework (PowerBuilder 6.5), Ancestor objects and object functions; Application MDI interface
- Multi-user data control (DWO update property); Visual and non-visual User Objects; Exhaustive History Tracking' facility including Mirror tables, tracking every insert and/or update in the DB (triggers); Document imaging; Product quality control and customized deployment
- Responsible for the successful client customization and deployment of the product at Business Backers, CA

Customizable Y2K **(01/99 - 12/99)**

- Custom client-server Banking application, providing information about Bank's Customers, Vendors, and the Contacts associated with them (PowerBuilder 6.5)
- Responsible for the design and development of Data base design (SQL Anywhere) and Application's Objects (Windows, Data Windows, Menus, Visual and NonVisual User Objects)
- Responsible for the successful client customization and deployment of the product at Bank Austria Kreditanstalt, CT

DOC-Tracker Version 2 **(01/98 - 07/01)**

- The primary IDOM Inc. software product for document management. DOC-Tracker was initially developed in 1997 as client-server SDI application (PowerBuilder 5, SQL Anywhere).
- Responsible for the design and development of Data base normalization and data integrity, Extended Data Base support - MS SQL 7, Sybase 11.5, 11.9, 12.x, Oracle 8, Migration to PowerBuilder 6.5, Product maintenance, quality control and deployment
- Responsible for the successful client customization and deployment of the product at:
 - Christiania Bank
 - Rabobank
 - BNP Paribas

Global Advantage **(02/96 - 10/97)**

- Large client-server system providing information about employees, assignments and re-assignments, taxes, remuneration, TCA's, etc., developed by the Deloitte & Touche team (about 30 PowerBuilder developers). PowerBuilder 4, PowerBuilder 5.
- As a member of the team I was responsible for Application's objects (Windows, DataWindows, User objects) and Database Triggers and Stored Procedures (Oracle 7)

System Control **(07/95 - 02/96)**

- Custom client-server application for control management
- Responsible for the Design and Implementation of Application's objects (PowerBuilder 4) and Database Design, Triggers and Stored Procedures (Watcom SQL)
- Responsible for the successful client customization and deployment of the product at EnergoProject Ltd., Bulgaria

Movie Order **(09/94 - 06/95)**

- Client-server system designed to automate all the management functions in film ordering.
- Responsible for the Design and Implementation of Application's objects (PowerBuilder 3, 4) and Database Design, Triggers and Stored Procedures (Watcom SQL)
- Responsible for the successful client customization and deployment of the product at National Boyana Studio, Bulgaria

Portfolio Management System Version 2 **(01/94 - 05/94)**

- Client-server system for financial management of user portfolios (stock shares, bonds, options and other investment products) developed by InStock GmbH team, Germany.
- Responsible for the Design and Implementation of Application's Objects (Windows, Data Windows, Menus, Visual (front-end) and User Objects. PowerBuilder 3