

R E S U M E

Grant Rostig, B.S., D.C.
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Programmer - Data Base Designer – Architect - Business Analyst - Project Manager
 26 years implementing high quality, effective and usable computerized solutions.

Technology Overview	Years
Amazon AWS Cloud Architect and Programmer. Using: EC2, VPC, RDS, CloudFormation, DataPipeline, Route53, IAM, Elastic Beanstalk, and CLI. Using 2015 Software versions.	1.0
Oracle Logical and Physical Design DBA and data modeling of interactive (OLTP), data-mart, and data warehouses (OLAP). Using: Oracle DB 12r, 11g, and 8.1; Oracle DB Designer 2000; Oracle Data Modeler (SDDM); ERWin; TOAD; Oracle Enterprise Manager.	6.0
Oracle Parallel Server (8.0 OPS, including Oracle's OPS training) Design and Administration in an application development environment.	0.3
Oracle Programming and Scripting (PL/SQL, Pro*C, SQL*PLUS, SQL*Loader)	2.5
PostgreSQL database designer and developer (postgres).	1.0
Linux/Unix System Administration, Scripting, and Networking (IBM AIX, Sun Solaris 9, SuSE 12.1, Ubuntu 15.10, Amazon AMI image).	8.5
Java Programming of servlets and enterprise java beans (EJB, J2EE, JDBC, and JSP) using Sun Java Studio Enterprise 5.0, Creator 2 IDEs.	1.5
C/C#/C++ programming & TCP/IP internet socket programming. (Csharp 5.0, C++14)	3.5
JavaScript programming.	0.2
PHP 5.6 programming.	1.0
Pascal object oriented and structured programming (Delphi, Apple).	4.0
Object Oriented Analysis and Design (OOAD) with UML and RUP using Rational Rose 2000.	1.5
Apache/Tomcat & Sun Enterprise Application Server Administration in an application development environment.	2.5
Microsoft SQL Server logical, physical and production DBA (2012 Enterprise version).	0.5
MySQL 5.6 Production DBA.	1.0
Windows Server Systems Administration.	1.5
EMC Frame (specialized RAID) using Symmetrix and Timefinder on a 2 node Solaris 2.6 cluster for an Oracle DB.	0.3
HTML scripting and GUI design tools.	1.0
Microsoft Project 2013 task scheduling application.	1.0
WordPress websites configuration, integration, and administration.	0.5

Facebook profile, group and page configuration, promotion, and administration.	5
Simple Minds Forum (SMF) configuration and administration (BBS/forum software).	1.5
Meetup.com group configuration, promotion, and administration.	8

Software Industry Functions - Overview	Years
System Architect	2.5
Object Oriented Analysis and Design	4.5
Logical Database Design – Data Modeling	6
Physical Database Design	5
Production DBA	2
Programming	15
Web Site Design and Implementation (HTML)	2
Project Management	5
Verbal and Written Business Communications	17
Systems Analysis & Business Analyst	6
Software and Hardware Architecture / Specification / Acquisition	2.5
Computer Security Planning and Implementation (Application, RDBMS, OS and Network)	0.5
Technical Support	2.5
Technical Instructor	0.75

Business Functions Overview

- ⤴ Computer Programmer, Analyst, Designer, Architect, DBA
- ⤴ Doctor of Chiropractic (inactive license)
- ⤴ Accountant / Bookkeeper
- ⤴ Customer Service / Technical Support
- ⤴ Health Insurance Sales
- ⤴ Political Campaign Consultant/Manager
- ⤴ Political Candidate
- ⤴ Political Organizer
- ⤴ Live Entertainment Security Guard
- ⤴ Motion Picture Extras Actor
- ⤴ Sales Representative
- ⤴ Internet Marketing

Industry Knowledge Overview

- ⤴ Software - All phases of the software development cycle for: internal, external custom, service bureau and external shrink wrap systems.
- ⤴ Chiropractic
- ⤴ General Accounting (including Order Entry, AR, Inventory Management, PO, AP, GL, BOM)
- ⤴ Software as a Service/Application Service Provider (SaaS/ASP)

- ⤴ Electronic Document Management
- ⤴ Print-On-Demand Systems
- ⤴ Electric Grid Utilities Power and Switching Management Systems
- ⤴ Health Insurance
- ⤴ Chiropractic Patient Care
- ⤴ Pharmacy and Medication Management
- ⤴ Computer Security Techniques and Software Packages
- ⤴ Corporate Technical Education
- ⤴ Time Tracking and Payroll Systems
- ⤴ Live Entertainment Security
- ⤴ Motion Picture Production
- ⤴ Online Marketing and Social Networking
- ⤴ Public Policy
- ⤴ Political Organizing
- ⤴ Farming and Livestock

EXPERIENCE

Grant Rostig and Associates, Austin, TX.

Self Employment 01/2004 – Present

- ⤴ 06/2014 – 07/2015 Architected, coded, load-tested and deployed a durable and auto-scaling website on the Amazon AWS cloud infrastructure using CloudFormation and Data Pipeline on EC2 and RDS.
 - Website (ATXfloods.com) was moved from another web hosting infrastructure to AWS and upgraded to SSL using openSSL tools and Entrust certificates.
 - Upgraded the existing website code to improve manageability and security. Implemented XSS security protocols. Website is implemented in PHP, JavaScript, Apache, Linux and MySQL. Load tested using 'siege', bees with machine guns, and Redline13.
 - Tracked progress through a detailed project plan which was created in Microsoft Project 2013. Gathered requirements and sold/closed the contract as the sole interface with the customer, a major governmental entity in central Texas.
- ⤴ 2014 – Implemented MSSQL (v2012) database. Designed reports and configured MSSQL report server.
- ⤴ 2013-2014 - Designed the logical database for a stock market news, ownership and asset tracking system. Created Entity Relationship Diagrams using Oracle Data Modeler (SDDM) and Oracle Designer running on an Oracle 11 instance. Implemented Oracle 11g and 12 database instances on a Windows environment.
- ⤴ 2008-2009 - Administered and customized a SMF Internet discussion forum using php5 and MySQL 5.0.
- ⤴ 2005-2014 - Operates various internet marketing and publicity campaigns using facebook and meetup.
- ⤴ 2005-2012 - Formulated political campaign issues and their presentation, raised contributions in person, by telephone and through websites. Gave political speeches, distributed literature, interfaced with the public, TV and print news media, and participated in public debates. Designed and operated various Internet websites, including BLOGs and forums. Designed and administered campaign accounting systems, and prepared regulatory filings.
- ⤴ 2005-2012 - Designed and implemented several static websites and dynamic WordPress websites.
- ⤴ 2004-2005 - Lead the analysis, design and programming for a debate website with a permanent searchable archive. Technology deployed included web servers, application servers and database; PostgreSQL, Solaris OS and Sun application server, server-side java, J2EE, JATO.

- ▲ Several other investment, employment and entrepreneurial initiatives in the areas of real estate, film and security industries.

Tish Wood Web Services, Denison, TX.

Lead Architect, Programmer and Systems Administrator 07/2003 - 10/2003

Responsible for FreeBSD 4.8, as well as Windows XP, installation and administration. Provided programming and deployment infrastructure for Apache 1.3, PHP 4.3, Tomcat 4.1 and Mysql 4.0. Programmed interactive web applications in Java, PHP and HTML. Specified and architected entire solution. Performed the duties of the assistant manager of the office.

United American Insurance Co., McKinney, TX.

Independent Health Insurance Agent 10/2002 - 03/2003

Sold health insurance products door-to-door and by telephone.

General Mills Corp., Minneapolis, MN.

Senior Applications Analyst 09/2001 - 08/2002

Responsible for maintenance of a data warehouse containing product promotional spending. Responsible for coding HP-UX Unix jobs which call Oracle PL/SQL and SQL*LOADER logic to extract and load data. Responsible for coding PL/SQL packages using Allaround Automations' PL/SQL Developer. Responsible for using SysADMIRAL to create, schedule and maintain jobs. Interacted extensively with other developers in a technical and business analysis mentoring role. Modeled the logical and physical design of the data warehouse with ErWIN 3.5.2. Modified the Oracle 8.1.7 schema using BMC ChangeManager. Created universes and reports using the Business Objects DSS/BI query tool.

Client: United Health Group, Edina, MN.

Project Manager 07/2001 - 09/2001 (short term contract)

Successfully led a team of six, including domain experts, coders, testers in producing a web site of several pages containing 4500 linked documents.

Client: Wizmo.com, Eden Prairie, MN.

Software Architect / Design DBA 03/2000 - 01/2001

As architect, designed a three tier web Application Service Provider (ASP) framework. This framework provides the infrastructure to enable the provision of hosted applications to the user's web desktop. The core technology approach was compliant with Sun's J2EE (EJB) framework as specified in Sun's Enterprise Blueprint. Several hosted services, such as email and document sharing were designed. Architecture diagrams were produced in Rational Rose 2000 and Visio. Several third party tools were evaluated to provide for single sign-on (Netegrity SiteMinder), billing (Infranet Portal), and user management (LDAP). As business analyst, produced a requirements document (Vision Document in Rational Unified Process {RUP} terminology) for the system. As object oriented analyst and designer produced use case diagrams and class diagrams. Produced a logical database design for a centralized data store used to co-ordinate date retrieval and transfer between multiple applications. Designed a messaging framework to move data and business events between multiple applications and the central data store. Reverse engineered a MS SQL database into Oracle.

Self Employed, Saint Paul, MN.

Software Architect / Senior Developer 02/2000 - 01/2001

As architect, designed a 3 tier web based discussion application. Configured GNU / Linux (SuSE distribution), Apache, Jserv, Tomcat, JOnAS and the PostgreSQL (postgres) database. As web page designer performed HTML layout. As programmer coded java servlets, beans and enterprise java beans (EJB). As database developer, designed and implemented a relational database using PostgreSQL.

Client: Xerox, Oakdale, MN.

Design DBA / Software Architect 08/1999 - 02/2000

Architected a 3 tier web print-on-demand application using HTML, JSP, Java and Oracle technologies. As object oriented analyst and designer, produced class diagrams in Rational Rose. Generated skeleton Java code from Rational Rose for the programmers. Synchronized the programmers' Java code changes back into Rational Rose. Also produced state, component and sequence diagrams. Participated in writing Use Cases. Evaluated various application server vendors, which resulted in the selection of IBM WebSphere. Designed the logical and physical database of a print job ticket web site. As production DBA, implemented the database in Oracle 7.3.4 on a Sun machine. Installed, configured and developed a simple web site with Oracle WebDB 2.0.6, Oracle Application Server (OAS) 4.0, and PL/SQL HTML. Installed and configured Netscape Enterprise Server (IPlanet) 4.0 for servlets and JSP with JDBC connectivity. Designed and coded a web site using Java servlets, session management and JSP connected to an Oracle via JDBC. Installed and configured Documentum EDMS 98 document management software on Sun Solaris 2.6. Assisted project manager with the MS Project plan, and provided time estimates for the technical aspects of the effort.

Techies.com, Edina, MN.

DBA / Software Architect 02/99 - 06/99

As architect, assisted in the specification of a three-tier web solution using Netscape Web Server, JSP, Java, Inprise ORB and Oracle technologies. Managed vendor relationships for the acquisition of a two node Sun cluster running Oracle Parallel Server (OPS) using EMC as data storage. Created the logical and physical design of a job search/recruiting web site. As production DBA, implemented the 90 table database on the Sun cluster using 30 raw partitions. Produced detailed ERDs and DSDs to communicate with programmers and management. Provided technical and staff management for an assistant MS SQL DBA and a PL/SQL programmer. Engineered the database technology foundation for the company and trained DBA staff.

Client: U.S. Postal Service, Bloomington, MN.

Database Designer / Project Leader 11/97 - 07/98

As database designer completed the logical and physical design of a Time and Attendance Accounting System consisting of 88 tables. Produced detailed ERDs and DSDs to communicate with programmers and management. In the role of DBA, produced database update scripts that modified both the schema and data. Was responsible for the support of developers in database security and schema change management. In the parallel role of project leader, created and maintained a MS Project plan consisting of 3000 tasks and 100 resources. Provided multiple scenarios to resolve scheduling constraints and milestones. Provided extensive management reporting and status reporting. Interfaced with multiple departments in the coordination of the project. Was responsible for coordination of analysis and design of interfaces between separately managed project components.

Dynamic Information Systems, St. Louis Park, MN. - Firm clients included: Guidant / CPI, Roseville, MN; Cargill, Minnetonka, MN; Donaldson, Inc., Bloomington, MN.

D.B.A. / Senior Consultant 11/96 - 10/97

As lead analyst, designed a medical event tracking application. This project called for a three-tier Java client server application which interfaced with an Oracle database over the Internet. As acting project manager, designed a IT survey database using Designer 2000. Performed object oriented analysis and design for the associated Java application. As mentor to junior staff, provided sample Java source code to jump start coding. As acting project manager, performed business requirements and technical analysis of a HTML based electronic commerce solution. The solution deployed Oracle Applications for the Web interfaced to Oracle Applications 10.7, as well as custom applications. As solo developer, designed a consulting billing system using object oriented analysis and design (UML and Coad methods). Database was architected using Designer 2000. Provided technical staff management and mentoring of up to 6 team members on various projects. Installed and provided networked system administration for Microsoft Server NT 4.0 and Sun Solaris 2.5.1.

Client: Andersen Corporation, Bayport MN.

D.B.A. / Systems Administrator 07/96 - 11/96

Performed security analysis of Oracle Financials accounting application, custom applications, two Oracle instances, and both Sequent and HP UNIX systems. Recommended specific security enhancing measures. Performed a market survey of leading Systems Management Software systems with an emphasis on centralized user administration and security. Produced a detailed requirements document for centralized user administration, network encryption, data encryption, workstation security, systems scanning and single sign on. Produced detailed acquisition, implementation and deployment project plan using Microsoft Project.

Client: Siemens Energy & Automation Inc., Power Automation Division, Brooklyn Park MN.

D.B.A. / Analyst/Programmer 12/95 - 06/96

Implemented changes to the Spectrum Base System, which was partly based on an Oracle 7.1.4 database. Changes involved the schema, Forms 4.0, and PL/SQL packages, procedures, SQL scripts, and C programs to support them. Coordinated six programmers as D.B.A. Acted as a customer interface in specifying the system design and documentation. Installed and generated the Oracle database development environment on an IBM AIX 3.2.5 platform. Wrote Oracle PL/SQL packages, triggers, and Pro*C programs to support the changes. Interfaced Oracle to the Siemens Spectrum proprietary database which is written in PASCAL and C. Modified Spectrum data entry programs, which are based on a proprietary technology that is similar to IBM CICS.

Medintell Systems Corporation, Minneapolis, MN.

Database Programmer / D.B.A. 10/94 - 12/95

Wrote SQL database update and data conversion programs using Oracle's Pro*C C programming language. Created and maintained several databases using Oracle's SQL*NET and SQLDBA. Performed a port of Medintell's Oracle Pro*C code from IBM AIX 3.2 to SUN Solaris. Provided systems administration services for in-house AIX UNIX 3.2, Novell 3.2.1, and Windows 3.11 DOS systems. Administered and supported Oracle SQL*NET. Managed and supported several external software deployments of Medintell's software. Was responsible for the assessment of the performance and scalability of Medintell's client/server architecture. This involved data assessment, data generation and bench marking.

Prevention and Wellness Clinic, St. Paul, MN.

Doctor of Chiropractic, Clinic Director 93-94

Established and operated a home-based chiropractic practice. Performed all functions of clinical practice, marketing, office management, insurance, tax and businesses accounting.

Excelan Inc., San Jose, CA. (div. of NOVELL)

Systems Programmer 1/86 - 3/88

Wrote and maintained UNIX device driver code for the EXOS TCP/IP front end processor networking card. Code supported Berkeley 4.1 and Xenix platforms implemented in C. Performed systems level device driver consulting to Excelan's OEM clients, including UNISYS. Planned and supported the TCP/IP network at the Dallas 1987 UniForum trade show. Performed senior technical support for UNIX and DOS source code products, as well as for programming libraries and user level applications products. Developed an incoming telephone call and problem tracking system. Designed and taught courses in UNIX networking, network programming and device driver porting.

Fortune Systems Inc., Belmont, CA.

Systems and Business Programmer 8/83 - 11/85

Wrote international character mapping routines in C. These routines were utilized within C's standard I/O routines as well as the BASIC interpreter. As project lead, designed and implemented a re-write of Fortune's Payroll application product. Performed senior technical support for the UNIX operating system, a Business

BASIC accounting package, and Fortune Systems hardware. Coded a computerized support call and problem tracking system in Business BASIC.

Wildwood Natural Foods, Fairfax, CA.

Project Manager / Programmer 1983 -1986

Sold, designed, implemented, deployed and supported an order entry and invoicing system for the fresh food distribution business. The system was implemented in Apple PASCAL using Apple's RPS database management package. Deployed the BACS G/L, A/R and A/P accounting software sold by American Business Systems. Interfaced the two applications using RS-232 protocols.

Simcom Data Systems (and other companies), Canada.

Programmer / Analyst 1980 - 1982

Coded multi-user on-line business accounting solutions on Business BASIC mini computers.

Childhood Jobs, Canada.

- Worked in various manufacturing jobs and service as a teenager.
- Worked on a family farm at age 12.
- Operated a large newspaper route business (delivery). Purchased papers, delivered, collected money, performed basic accounting, and inventory planning at age about 10.

TRAINING

- Data Warehouse Institute: **Data Warehousing Core Curriculum** (2 days) July 2002
- General Mills Corporate Training: **ERWin Data Modeling** (2 days) February 2002
- Oracle Corporation Training:
 - **Implementing Oracle 8 Parallel Server (OPS)** (4 days) April 1999
 - **Oracle 8 Performance Tuning** (5 days) March 1999
 - **Oracle 8 (Beta One) Training** (including Large and Object-Relational features, 5 days) April 1997
 - **Physical DBA Training Series** (All five computer based training modules) January 1995
- Lockheed Martin Advanced Concepts Center: **Object Oriented Analysis and Design using UML 1.0** (5 days) May 1997
- Siemens Power Automation (Empros): **Spectrum Empower DBA Training** (4.5 days) Electrical Grid and Switching management system. July 1996
- Various Chiropractic, Medical and Holistic Health Training Seminars.
- Various Sales Training Seminars.
- Various MOOC Classes.
- Speak some French and German.

EDUCATION

- Northwestern College of Chiropractic, Bloomington, MN
Bachelor of Science, Human Biology & Doctor of Chiropractic, Cum Laude (High Honors) 1990 – 1993. In addition to regular studies, founded and headed the local chapter of the Student American Chiropractic Association Council on Nutrition. Presented several lectures, as well as hosting external speakers. Designed and executed of a x-ray marking reliability study as principal investigator.
- University of Minnesota, Minneapolis, MN - **Pre-Medical Sciences 1988 - 1989**
- Concordia University, Montreal, PQ - **Computer Science / Accounting**

COMMUNITY SERVICE

- Silicon Valley Net, San Jose, CA. **President 8/84 - 6/88** -Served as President and Master of Ceremonies, of SVNet, a UNIX user's group, for four years. Built paid membership to over 100, incorporated the group and achieved state and federal non-profit status.
- Active in local church, assisting with hosting, heading-up volunteer team for regional events, directing and accounting for the collection of money for ticket sales, officiating events, and facilitating in-person and online outreach.
- Consulted with and volunteered for various local and national partisan and non-partisan political candidates between 2005 and 2014.
- Active gardener and keeper of small livestock.

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