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Top Skills

Data Warehousing

Business Intelligence

Higher Education

Languages

German (Limited Working)

Publications

Review of Factfulness: Ten Reasons
We're Wrong About the World—
and Why Things Are Better Than
You Think, by Hans Rosling, Anna
Rosling Rönnlund, and Ola Rosling.

ResearchGate Publications

A New Masoretic "Spell Checker"
or A Fast, Practical Method For
Checking the Accentual Structure
and Integrity Of Tiberian-Pointed
Biblical Texts

Richard L Goerwitz III

Data Engineer/Analyst, DBA, Data Warehouse Architect
Greater Minneapolis-St. Paul Area

Summary

I am a data analyst and data engineer, specializing in data
warehouse architecture, ETL and OLAP cube design/deployment,
reporting, and data visualization.

75% of time that data scientists, quants, financial analysts, and mid-
level execs spend working with data gets consumed just finding
it, cleaning it, and stitching it together. One key goal of mine is
reduce that percentage and help myself, and other data-driven
professionals, do our jobs more efficiently.

In addition to my work with data, I also served for six years as
an Oracle DBA, then as a SQL Server DBA, and later as a data
warehouse architect. In 2017-18 I became an interim information
security officer and acquired Splunk skills. I've done Unix systems,
web programming, and Apache administration. And I've deployed
everything from tiny one-off programs in C, Perl, and Python to
enterprise provisioning and identity management systems. In 2016
I became a technical primary on a big Salesforce project. In 2018 I
served as an interim security IT officer. In 2020 I became an interim
print/PaperCut enterprise print manager. (This while serving as a
data warehouse architect as well.)

I pride myself on taking on big, ill-defined projects and making
something out of them.

Experience

Carleton College
19 years

Data Warehouse Architect
September 2004 - Present (16 years 5 months)
Northfield, Minnesota USA

Design and manage data warehouse, data marts, OLAP cubes. Build/ test/deploy ETL to load data from various sources, including Oracle, SQL Server, MySQL and other databases; SNMP agents; SCADA/building automation systems; card-access systems; and various operational data stores (particularly Ellucian Colleague ODS). Tie data marts to reporting tools. Manage databases (formerly Oracle, now mostly SQL Server). Create PowerBI resports. Support Tableau users. Assume leading role in enterprise application integration projects. Code applications in C#, Perl, Java, C, VB, etc. as needed, and provide web infrastructure and general systems support. Help integrate CS Gold, EMS scheduling, and other secondary systems. Perform logical, physical modeling of databases for applications as needed. Did a stint in building automation system integration and energy information systems in 2012-13. As of 2015 moved into Salesforce Administration and Jitterbit (for data transfer). As of 2017-18 moved into InfoSec as well. And I took on a temporary role in 2020 as PaperCut and general print administrator, after the retirement of a colleague. I enjoy getting thrown in at the deep end.

Interim Information Security Officer
July 2017 - June 2018 (1 year)

Filled InfoSec vacancy after departure of amazing colleague. Duties: Build out Splunk SIEM (major task). Document policy, practice (PII disclosure, collection; GPO usage; SPF components). Assist admins as needed with GPO management, SCCM endpoint protection rules, etc. Kill outmoded services (SMBv1 is next up). Manage DKIM/SPF/DMARC morass. Empower systems, helpdesk staff with unused account notices; unpatched machine reports; missing and misplaced asset detection/reports; lateral movement, password spray, globetrotting-user alerts. Harden SQL Server installations, put monitoring in place. Collaborate on security-related projects, Duo two-factor implementation (metrics, training, cheering). Write institutional and departmental notices and missives re current threats—e.g., Spectre, Meltdown, Intel SA-00086. Evaluate NGAV products (performed full-blown Infocyte Hunt test). Nurture policy, conformance discussions (NIST 800-171, GDPR, etc.). Nudge internal process improvements, request changes to Palo Alto firewall rules; help establish better endpoint maintenance windows. Collaborate with peers in other institutions. Monitor alerts, SIEM logs; evaluate NCATS Nessus scans. Watch current threat landscape and change monitoring accordingly. Round up colleagues to test new security features and procedures before unleashing them on users, and take heat when things break. Currently working on integrating AWS, GCP, and Azure/O365 monitoring into Splunk. Learning tons about Google Cloud Platform.

Web Technical Administrator
February 2002 - August 2004 (2 years 7 months)
Northfield, Minnesota USA

Manage web infrastructure, upgrades, database; handle most systems integration and identity management for Carleton College. Set up, administer LDAP/enterprise directory. Create IdM and provisioning system and interface it with other information repositories. Provide connectivity to Oracle, Informix, SQL Server, and integrate with various NOSs. Help integrate/construct front-end proxy for Datatel WebAdvisor. Work with Luminis portal. Provide general programming, database, systems administration, and systems integration support.

Goerwitz Information Technology Consulting
Partner
April 2001 - January 2002 (10 months)

As those of you who lived through the economic downturn after 9/11 will all know, 2001 was a bad time to start a consulting business, and although Goerwitz Information Technology Consulting is technically still in existence, it has essentially been inactive since 2002. While active, it provided strategic planning, advice, custom programming, and systems integration services for clients spanning both for-profit and nonprofit sectors (e.g., the Nature Conservancy; Countrywide Credit Industries, Inc.; Brown University). Its primary business was helping institutions deploy secure remote-access web portals, single sign-on web systems, and database-driven web services.

The Conference Exchange
Systems Administrator
February 2001 - April 2001 (3 months)

At Confex I was primarily maintaining off-site, hosted Linux servers; configuring Apache; doing Embperl and PERL programming; and generally helping make stuff work. This was just a brief stint during my "consulting year" (2001). Confex, at the time, employed some top-notch folks that I still keep in touch with and would recommend in a flash to any potential colleagues or employers. Ask me about them.

Brown University
4 years 8 months

Programmer/Analyst
December 1999 - February 2001 (1 year 3 months)

Build, package, and deploy Brown's institution-wide web-based authentication infrastructure; work with mainframe, Unix, and micro support departments as needed; create, package, deploy Brown's university-wide remote web-access system (a custom-written Web portal geared specially for Library resources that uses Kerberos and/or LDAP for authentication); deploy web-based email solution for the campus; provide consulting services for a wide variety of other groups, projects, and initiatives.

Lead Research Programmer/Analyst
July 1996 - November 1999 (3 years 5 months)

Develop new web-based software packages (full-text retrieval systems, XML validators, old-style CGI scripts, TCP/IP clientserver apps., Apache modules, authentication systems, conversion software, web administration scripts, tools, and analysis software); set up, maintain SQL servers, DNS, DHCP, SMTP (+ spam filters), NFS, AppleTalk, SMTP; set up and maintain over a dozen web servers; perform regular, comprehensive security audits; maintain user accounts; ensure interoperability (on the filesystem level) of major platforms, Unix, Linux, Windows, and MacOS.

University of Chicago
1 year

Lecturer
September 1995 - June 1996 (10 months)

Teach advanced biblical Hebrew to graduate students in both NELC (Near Eastern Languages and Civilizations) and the University of Chicago Divinity School. Publish, do book reviews, etc. - the usual academic stuff.

Programmer/Analyst
July 1995 - June 1996 (1 year)

Bring up X-terminal based system for entering data for the Royal Achaemenid Inscriptions Project; install, maintain TeX, many language interpreters; general systems software; do CGI, PERL, C programming; generally make things work on Unix-based servers.

Education

University of Chicago
PhD, Near Eastern Languages and Civilizations · (1988 - 1993)

University of Chicago

MA, Near Eastern Languages and Civilizations · (1986 - 1988)

Yale University
MA, Divinity School, Bible · (1983 - 1985)

University of Chicago
BA, Linguistics · (1981 - 1983)

Bryn Athyn College of the New Church
AA, General liberal arts · (1979 - 1981)