

Kevin Scharnhorst

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Chief Information Security Officer (CISO)

Lead game-changing technology solutions that deliver measurable business value through process improvements, cost savings, and data-driven decision making.

Cultivate relationships with executives and key stakeholders, leveraging insights to create strategic roadmaps aligned with core objectives and vision. Astute leader, mentor, and coach, adept at directing cross-functional teams in architecting, designing, and deploying highly secure, interoperable, scalable solutions. Proven success delivering multimillion-dollar, transformational data warehouse, business intelligence, application, and workflow reengineering, implementation, and integration projects that increase automation and optimize service delivery to end users and clients.

Core Competencies:

- Strategic Technology Roadmaps
- Technology & Process Transformation
- Data Warehousing & Business Intelligence
- Enterprise Solutions Architecture
- Software Engineering / Architecture
- Multidisciplinary Team Leadership
- C-level Advising, Consulting & Influencing
- Cloud, On-premises & Hybrid Hosting Infrastructures
- Data Analytics & Healthcare Informatics
- Information Security Management
- Governance, Risk, Management and Compliance (GRC)

Professional Experience

Health Catalyst, Salt Lake City, Utah

Chief Information Security Officer (CISO) , 2014 – Present

Swiftly advanced through roles as Sr. Data Architect, Technical Director, Sr. Technical Director, VP of Cloud Operations, and CISO for next-generation business intelligence platform and data operating system designed to revolutionize patient care while driving down operating costs for healthcare providers.

Orchestrate cyber-security program and serve as corporate Chief Information Security Officer. Lead end-to-end planning, design, development, integration, and delivery of Data Operating System Platform to clients hosted in private data center and Azure cloud data centers. Oversee 24/7/365 data center operations for private and public cloud offerings for 40+ clients across US; data centers include up to 750 servers running hypervisors including VMware, Hyper-V, Sophos, Symantec DCS, Trend Micro, and other solutions. Direct projects through 10-12-month life cycle from SOW to deployment. Liaise with C-level executives to advise on and guide strategic direction and prioritize investment. Build deployment plans around requirements provided by clinicians, informaticists, administrators, executives, and other key stakeholders. Manage team of 20 direct and indirect reports, including technical directors, data architects, system administrators, database administrators, solution architects and security architects; mentor on service delivery, client engagement, and troubleshooting cloud-hosted and on-premises networks, storage arrays, and system issues.

Key Achievements:

- Grew volume of hosting clients by 105% in 18 months spread across private data center and Azure under Microsoft's Cloud Solution Provider (CSP) program.
- Pioneered migration strategy leading team to execute client tenant moves from private data center to Microsoft Azure leveraging Azure Site Recovery (ASR) and Azure Data Box to accomplish vacating on premise facilities.
- Steered technology development, analytics/informatics, and business process reengineering initiatives for data warehouse implementations that revolutionized patient care and decreased costs for clients.
- Drove continuous process improvement efforts that significantly reduced deployment time from eight months to two months, a 75% decrease.
- Collaborated on development of multi-year utilization forecasts to determine hardware capacity needs, enabling scaling of client growth hosted in public and private cloud offerings by 56% in 12 months.

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- Orchestrated implementation of NIST 800-53-based information security program for hosted operations provided to 40 clients in fewer than 12 months; audit reports carried out by independent third party yielded no exceptions.
- Leveraged hands-on expertise to design and develop SQL database with analytics, machine learning, and business intelligence visualizations.
- Key clients included Community Hospital Network, Indiana University Hospital, Thibodaux Regional Medical, Texas Children's University, Mission Health, and University of Texas Medical Branch.

Blue Cross of Idaho, Meridian, ID

Software Engineering Manager, 2009 – 2014

Promoted from Senior Programmer Analyst to Senior Software Engineer and again to Software Engineering Manager overseeing Service Development Team composed of most senior software engineers as well as five other development groups focused on data integration and service oriented architecture (SOA) development initiatives.

Partnered with C-level executives to advise on technology strategy for seven-figure software purchases, RFPs, POCs, and patient care management. Recognized as SME, organizational leader, and mentor regarding various technologies across the business. Provided coaching and mentoring to systems and programming, information management, operations, Trizetto Facets integration, and network services team on business requirements and technical roadmaps as well as ad-hoc training on biomedical informatics, software and database development, UML, and .NET architecture.

Key Achievements:

- Spearheaded implementation of n-tier SOA-based design that created 12 services across six service families, eliminated redundancies, and reduced development costs by \$500K over two years.
- Enabled benchmark testing of new and existing software applications with introduction of Agile-based Continuous Integration/Continuous Development (CI/CD) model.
- Led development of automated membership enrollment system with robust rules engine and secure federal exchange between BCI and CMS, reducing manual tasks by 80% and decreasing full-time and seasonal labor costs.
- Energized team to deliver business-critical healthcare reform initiative to architect Federally Facilitated Marketplace Eligibility & Enrollment (FFM) solution that accounted for 50% of annual IS budget with tight deadline.
- Directed \$1.5M project involving 10K hours of work to implement ZeOmega Care Management System with pre-authorization functionality feeding claims system.
- Eliminated \$150K in vendor fees by leading project to integrate TriZetto Facets Medical Claim Processing with McKesson CareEnhance Review Manager.
- Recommended and gained executive buy-in for creation of Software Engineering job family to drive standardization and enable career path development.
- Hosted community outreach seminars for Ambassador Program to educate public on healthcare regulatory changes (ACA), enabling informed decision making.

Micron Technology (Crucial Technology), Boise, ID

Software Engineer/Programmer, 2000 – 2009

Earned four promotions in ten years from Programmer to Software Engineer I-IV for Fortune 500 semiconductor company.

Acted as team lead on team of five to 10 developers, analysts, and QA professionals while taking on additional responsibilities during significant downsizing. Designated Oracle/SQL Team Reviewer on Database Standards Committee, including researching, testing, and recommending emerging technologies.

Key Achievements:

- Pioneered development of payment processing system and played key role in building client-server and public/internal web applications.
- Key contributor in leading credit card processing system through PCI compliance audit and certification with independent third party.

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- Optimized response times over network and between database layers by conducting benchmark testing.
- Instrumental to on-time, on-budget completion of SAP migration with projected savings of \$1.5M, including porting over outdated code to new environment.
- Collaborated on development of VB application that improved order fulfillment process used by 300 staff.
- Implemented real-time alternative credit card processing/fulfillment platform using PayPal, SAP, and Bill Me Later.
- Saved \$30K annually with development of automated tool to standardize website price modification process.

Additional experience:

Featured Collaborator with OpenCDS.org

Adjunct Instructor with Northwestern University Dept. of Medical Informatics

Consultant with KS Consulting, LLC

Adjunct Computer Science & Programming Instructor with Treasure Valley Community College.

Technical Proficiencies

Operating Systems: Windows Desktop / Server (all versions), Mac OS X, DOS, Novell

Data Center Operations: Microsoft Azure, AWS, VMWare, SolarWinds Orion/DPA/Patch Manager, Qualys Vulnerability Scanner / Policy Compliance, Sophos UTM / XG Firewalls, Microsoft Remote Desktop Services, Splunk, Graylog, PagerDuty, Symantec Data Center Security, Trend Micro Deep Security, IDERA, Redgate, Pure Storage, NetApp, SQL Server, R, Infrastructure as Code, Site Reliability Engineering, Database Reliability Engineering, ITIL, SCCM, WSUS, Ivanti HEAT, Quest KACE, CommVault, Rubrik, NIST, ISO 27001, SOC, COBIT

Security/Regulatory Frameworks: NIST, ISO 27001, HITRUST, HIPAA, PCI, COBIT

Programming: C#, VB.NET, Java, Windows Communication Foundation (WCF), Windows Workflow Foundation (WF), Windows Presentation Foundation (WPF), webMethods, DROOLS, ASP.NET, Visual Basic 6, SSIS, Web Services, ASP, SAP ABAP, CSS, PL/SQL, T-SQL, C++, Cold Fusion, Cobol, VBScript, VBA for Office, Crystal Reports, DotNetNuke Web Portals

SAP ABAP: Workbench, User-Exits, BAPIs, DCOM, SAP Web Services, SAP Script, RFCs, ALE Programs, Dialogue Programming, Reports, SD, FI, LE, MM

DBMS/ Data Warehousing: SQL Server 2000-2019, Oracle 9i/10g (SQL Navigator, SQL Developer), Sybase, Access, Health Catalyst Data Operating System, SQL Server Analysis Services, Informatica, Red Gate SQL Toolbelt

Development Tools: Visual Studio 2003-2016, Visual Studio.NET, Eclipse, webMethods 8x, CentraSite, Informatica, SSIS, Sparx Enterprise Architect, Visual Basic 6, SSMS, BIDS, SSRS, Rapid SQL, Ivanti HEAT, ServiceNow, FootPrints, ClearQuest, TFS, Subversion, PVCS, Visual Source Safe, SQL Navigator, SQL Developer, Discover, Cognos, ProClarity, Microsoft Analysis Server, Dreamweaver, Homesite, Visio, Microsoft Project, Rational Rose

Healthcare Systems: EPIC, Cerner, Meditech, CPSI, Centricity, Press Ganey, NRC Picker, Blue Cross Anthem, Humana, Midas, CMS Claims Data, Facets, Care Advance, ZeOmega Jiva, McKesson InterQual CERMe

Other Applications: SharePoint, PowerPoint, Excel, Word, Photoshop, Flash, FTP

SDLC Agile, Waterfall

Education and Credentials

Master of Science in Medical Informatics (MMI)

Northwestern University, Evanston, IL

Bachelor of Business Administration (BBA) in Computer Information Systems

Boise State University, Boise, ID

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Associate of Applied Arts (AA) in Political Science

Brigham Young University, Rexburg, ID

Certifications/Training: Certified Information Systems Security Professional (CISSP); CPHIMS; The Open Group Architecture Framework (TOGAF) 9.1; Microsoft Certified Professional Developer / Enterprise Application Development (MCPDEAD); Kepner-Tregoe Resolve; Microsoft Certified Professional (MCP); CompTIA A+

Affiliations/Activities: Member, ISC2, Member; ISACA; Board of Directors, Idaho Health Data Exchange; Board of Directors & Member, Healthcare Information and Management Systems Society (Idaho Chapter); Member, American Medical Informatics Association & Attendee, 2013 Annual Symposium; Founder/Director, BoiseFragFest.com; Leadership Volunteer & Eagle Scout, Boy Scouts of America

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