Jason Servetar

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**Information Technology Management and Development for Software Products**

Over 20 years of experience in IT Management and Development for data driven Software and Products in Building Energy Conservation Systems, IoT, M2M Systems, Health Care Informatics, Medical Reporting, Laboratory Data Management, Technology Startups, Oil and Gas, E-Commerce, Mining Data & Analytics, Industrial Plants, Inventory Systems, and Call Centers.

**COMPETENCIES**

 Full Software Development Oversight & Team Management

Custom Data Driven Software Engineering| Cloud-based System Migrations| Enterprise Implementations

Supply Chain Management | Supports Technical Sales & 3rd Party Integration

Team Building & Mentoring | Cross Functional Supervision | Project Rescue
Speaks Basic Conversational Mandarin

* Organizes team process and mentors technical excellence for database and software development teams for both in-house and offshore teams
* Builds Full Stack Enterprise Systems for Laboratory Information, Inventory, Plant Management, Mining, Health Care, IoT Systems and Supply Chain
* Implements Custom and Commercial Enterprise Resource Planning (ERP) Systems
* Ports Databases and Database Code including SQL Server, PostgreSQL, Oracle, MySQL
* Develops Large Financial Data Warehouses for Companies $1B + Market Cap
* Builds Integrated Database Systems to Manage $100M+ Annual Capital Expenditures
* Rescues Failing Databases and Application Systems
* Oil, Gas & Minerals Data & Analytics Specialization
* Designs Enterprise Reporting Systems

Current and Past Clients: Hitachi, Medtronic, Covidien, Intrepid Potash, TeleTech, SM Energy, HealthGrades, McKesson, ESM (Xerox), Corporate Express (Staples), Gaiam, OneRiot, Orange Glo, Jeffco Public Schools, drweil.com, Keyventory, Wild Oats, Noble Energy, Ellora Energy.

**PROFESSIONAL EXPERIENCE**

## HITACHI ENERGY SOLUTIONS | Denver, CO (August 2016 – Present )

## Technical Solutions Manager

Hitachi Energy Solutions, a subsidiary of Hitachi Consulting, is leading the organization in transitioning from a traditional consulting practice to solution sales. Working with teams of engineers, project managers and sales personnel to develop, sell and implement energy conserving technologies in support of programs servicing Fortune 500 global companies.

* Leads team developing Total Building Optimization Dashboard for Building Energy Consumption & Management to cover thousands of facilities and displayed through a dashboard
* Manages development on proprietary IoT platform combining open source hardware with AWS to monitor facility and sub system energy usage for implementation of energy conservation measures
* Integrates wired and wireless sensors, protocols, panel meters for IoT platform (ENocean, 6LoWPAN, CT, Wireless CT, Occupancy, Power Meters, Thermometer, CO2)
* Designs software and processes to facilitate and manage building energy simulation modeling
* Data collection, extraction and analysis for innovative energy conservation technology development
* Manages and produces excellent results with offshore development teams
* Connects REST API interfaces between third party HVAC monitoring and AWS cloud

## FALANTRICE LLC | Jamestown/Boulder, CO (March 2008 – Present)Technology Executive, Founder

Founder of a technical consulting company with over $1.5 million in cumulative sales that specializes in creating data driven technology products. Working closely with company executives and business leaders, the company goal is to help grow their organizations and increase revenue by deploying the best cost-effective scalable technology for long-term success.

**Management**

* Partners with industry subject matter expertise to develop innovative products
* Leads clients senior technical staff in making sound and innovative technology decisions on team staffing, codebase and products
* Assists clients on call center development and work flow optimization to maximize business potential
* Manages technical staff
* Performs candidate screening and interviews to ensure candidates fit their business needs, expectations and company culture
* Supports clients with technical decisions like ‘build versus buy’ which impact their business long-term
* Advises businesses in architecture design recommendations and technology direction
* Researches big data solutions for database conversions to alternate data solutions such as AWS, RDS, Cassandra, Hadoop, Redshift, Docker, DynamoDB

**Full Stack – Back-End and Front-End Technologies**

* Creates cloud based inventory system with bar code readers and cameras using C# ASP.Net / SQL Server
* Creates laboratory information system for potash plant and mine core sample data using C# App, SQL Server, MS Report Server (System in continuous use since 2008 under Falantrice support)
* Develops forecasting system that manages $100M annual capital expenditures using ASP.Net and SQL Server
* Develops Transportation Route Management Software for Fortune 500 company
* Designs Continuity Order Systems

**Database**

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| --- | --- |
| SQL Server Development  | 20+ years |
| Data Modeling –Data Analytics | 20+ years |
| PostgreSQL Development  | 15 years |
| Oracle Development  | 15 years |
| Data Modeling | 20+ years |
| AWS RDS | 2 years |

* Creates Data Driven Frameworks that drive unique dynamic application systems to adapt to new functionality without re-compilation.
* Develops ETL Systems, Stored Procedures, Views and Triggers
* Tunes database systems, queries, views and triggers speeding process for multiple clients
* Migrates local data stores into enterprise database systems
* Develops custom archive and purge methodologies for extracting legacy data from OLTP systems
* Develops custom administration scripts for tuning and generating code using system metadata
* Rescues neglected systems and brings back to operational state
* Performs database system migrations and upgrades

**Development**

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| --- | --- |
| C# | 9 years |
| PERL | 7 years |
| Python | 1 year |
| VB | 10 years |
| SQL | 20+ years |
| C, C++, Bash, Java, JavaScript, Ruby, PHP | Secondary – Debug |

* Works with development and delivery teams on complex Medical IoT system and data warehouse
* Develops Medical Reports in C#, SQL Server and Telerik (O2, ECG, Respirator)
* Constructs enterprise REST reporting solution with Telerik Reports to replace SSRS for better deployment
* Creates database installer and configuration utility for product deployment at remote locations
* Works with complex rules engines for data hierarchy and website consumption
* Rescues and redevelops failing projects for school districts, dot coms, call centers and oil and gas development
* Creates C# data loader application to SQL Server that resized, scaled and cropped more than 250K images

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## SUHAKA CONSULTING | Denver, CO (June 2007 – February 2008)

**Senior Application & Database Developer**

First professional transition from employee into a consulting role. Worked for oil & gas and drilling companies. Assisted petroleum engineers and geologists in converting raw data into structures to allow for oil field geologic models for flow analysis and simulation. Primarily data focused on data modeling, data-quality and analytic discovery. Worked with some of largest oil & gas services companies in the industry.

## GAIAM (CONSCIOUS MEDIA-CCGENESIS) | Broomfield, CO (January 2000 – June 2007)

## Senior Database Administrator & Developer

Senior Technical Resource in support of what was initially a subsidiary of Gaiam. Supported Gaiam and other subsidiary companies in creating a web presence for E-Commerce and Content Management Applications. Administered the data integration for mergers and acquisitions of many business units online product catalogs for over 7 years. Built interfaces for Amazon Store product loads. Migrated through 3 E-Commerce platforms that ran tens of millions of dollars in annual sales for multiple companies. Ported Oracle Finances into Great Plains (Microsoft Dynamics) and rewrote royalty payment system in SQL Server Reporting Services (SSRS).

## MCKESSON HBOC | Broomfield, CO (May 1998 – December 1999)

**Senior Database Administrator & Developer**

Database team member to support custom system for live call centers staffed by registered nurses who were providing patient care using database generated algorithms. Algorithms specified self-care, specific medical practitioners in network or urgent care with the goal of offering better patient care at a lower cost. Due to the critical nature of this information, the system uptime and reliability were imperative. Implemented massive custom replication system that kept all call centers in sync and scalable. Built call center application that assisted in diabetes management program that facilitated nurse-to-patient communication and health monitoring.

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**CORPORATE EXPRESS (STAPLES)** | Broomfield, CO (March 1997 - May 1998)

**Database Administrator & Developer**

Lead database developer for first Corporate Express product sales website which produced several millions of dollars of business per day. Utilized web caching and limited dynamic data pulls from database in order to get the system to scale. Worked on early set of big data in Oracle and partitioning for complex pricing model so that it could serve up individual prices on 30,000 unique items across thousands of accounts. Also ported inventory system from Access to SQL Server.

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## LEARNING INTERNATIONAL | Golden, CO (October 1994 - January 1997)

**Database Administrator & Developer**

Worked as lead database administrator and developer on very early Sales Force Automation System that was a direct competitor to Siebel Systems. It was technology ahead of its time, as it had a custom C++ replication engine that was completely database agnostic. Sales reps could have MS Access on the back end replicating up to SQL Server on the middle tier and Oracle at the top. Account notes, and sales messages would flow between sales reps and their managers. Developed an entire set of QA tools for database structure and configuration diffs across database types, which is similar to the current Redgate offering today.

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## THE S.M. STOLLER CORPORATION | Boulder, CO (May 1993 - October 1994)

**Database Administrator & Developer**

Began technical career using the earliest versions of database software that would run on PCs. Installed Oracle, First Version of SQL Server, MS Access and Paradox from stacks of floppy disks. Created data models, simulations and Monty Carlo models.

**TECHNICAL SKILLS**

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| --- | --- |
| **Specialties:** | Technical management, full stack development, REST interfaces, system and project rescue, offshore code management, data architecture, cloud migrations, performance tuning, stored procedures, views, triggers, Oracle to PostgreSQL / SQL Server porting, replication, application development, data warehouse development, database upgrades, complex data analysis, data flow, critical operational data support, plant operational data support, order systems, accounts payable, financial reporting, experience with large undocumented data sets, critical performance problems, ETL (extract, transform, load) and data feeds. |
| **Primary Development Languages:** | C#, ASP.NET, Python, tSQL, PgSQL, PL/SQL, Perl, VB Script, R |
| **Secondary****Languages** | Can read and debug: C, C++, Bash, Java, JavaScript, Ruby, PHP |
| **Visual Studio:** | C#, ASP.NET, SSIS, SSRS, TFS, ASP |
| **Primary Database Systems:** | Microsoft SQL Server, PostgreSQL, Oracle, Sybase, AWS RDS, MS Access |
| **IoT:** | Raspberry Pi, BeagleBone, 6LoWPAN, EnOcean, Modbus, BACnet, Windows, Linux, Unix, AWS, Azure |
| **Lab Equipment Data** | XRD, XRF, Flame Photometer, Particle Counter, Wet and Dry Lab  |
| **Big Data:** | Redshift, Cassandra, DynamoDB, NoSQL |
| **Other Tools:** | Telerik, Agile, ETL tools (PostgreSQL, SQL Server, Oracle), DevExpress, Infragistics Controls, XtraReports, ETL Parsing: XML, JSON, CSV |

**PROFESSIONAL TRAINING**

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| **EnergyPlus Energy Simulation Software:** | Big Ladder Software, Denver, 2016 |
| **Introduction to Hadoop** | Hortonworks,Boulder Colorado, 2016 |
| **Introduction to Cassandra** | DataStax, Boulder Colorado, 2016 |
| **C# for Object Oriented Programmers** | Denver, Colorado, 2008 |
| **Windows Forms with C#** | Denver, Colorado, 2008 |
| **Programming Perl** | Tom Christiansen, Boulder, Colorado, 1998 |
| **IOUG Open World** | Orlando, Florida, 1998 |
| **ORACLE Performance Tuning** | The ORACLE Corporation, Denver, Colorado, 1997 |
| **ORACLE Database Administration I** | The ORACLE Corporation, Denver, Colorado, 1996 |
| **ORACLE 7 Developer Training** | The ORACLE Corporation, Denver, Colorado, 1994 |
| **Building The Data Warehouse** | Bill Inman, Denver, Colorado, 1994 |
| **C for Programmers** | Colorado University, Boulder, Colorado, 1994 |
| **B.A. English Literature** | SUNY Buffalo, 1990 |
| **Certificate:** | Language and Cultural Studies, Beijing Teachers College, Beijing, China, 1987 |

**OTHER EXPERIENCE:**

**English Teacher:**

Prague, Czechoslovakia, Hua Lien, Taiwan, Beijing, China

Conversant in Mandarin Chinese

**TECHNICAL RESUME AVAILABLE UPON REQUEST**