

JOHN WSOL

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Cosmologist / Theoretician / Database Expert / Software Developer

Proven Technical & Database Expertise in a Career spanning 30+ years

John has an extraordinary aptitude for abstract pattern matching and multi-dimensional thinking, a love for computer technologies, math and physics, and a passion for Cosmology. He is a technically advanced database expert capable of analyzing complex business processes, assimilating sophisticated software systems, and recommending novel application of various technologies. His in-depth understanding of computer architecture enables him to achieve highly integrated/optimized database designs and algorithms.

Proven areas of expertise include:

<ul style="list-style-type: none">• Multi-Dimensional Thinker• Habitually Questions Fundamentals• In-depth Analysis of Dimensional Units• Super SQL Database Optimizer	<ul style="list-style-type: none">• Can assimilate complex systems• Disciplined Diagrammer, flow-charter• Manufacturing: Robotics & Statistical Process Control• POV-ray Mathematical Artist/Engineer	<ul style="list-style-type: none">• Microsoft Access, Ms-SQL & MySQL• Strategic & Tactical Planning• Flexible, Multi-tasker• Innovative solution provider• Easygoing, Natural Peacemaker
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Major Accomplishments:

- ♦ **Created Physics Calculator:** in J-Language to do computes dimensional units & standard relative uncertainties.
- ♦ **Calculated to 15-digits precision $6.67429232315729 \times 10^{-11} \text{ m}^3/\text{kg s}^2$ Newton's Gravitational Constant,** all Planck units, corrected CODATA 2018 Bohr radius values, and a growing list of physical properties...
- ♦ **Resonance Academy Delegate:** completed the Delegate Level 1 Course (*twice*), extended Nassim's theoretical framework into 4D geometry where the Space-Now manifold of the entire universe is an Event Horizon of 4D Black Whole. The Cosmic Onion Model describes quantum and mechanism of quantum gravity at the sub-quantum level.
- ♦ **Aether Physics Model:** created a software system that *literally* "discovered" new physics equations
- ♦ **Cosmic Onion Model:** correlated *ALL* the properties Space Medium and Planck-Units to quantum-scale wave geometries that correlate with Sacred Geometry in 4-dimensions.
 - **Dark Matter:** Conceptually explains why galactic spiral arms are naturally stable along with Mathematica illustrations
 - **Dark Energy:** Conceptually explains an ever-expanding Space-Time Metric and resolves the Dark Energy mystery.
 - **Dark Flow:** model predicts galaxies on the opposite side of 4D-spherical universe "appear" to be converge/emerge.
- ♦ **PowerPoint Presentations:** [Created 1st](#) of a series explaining current challenges in science and cosmology.
- ♦ **Mathematica:** used its dimensional units feature to verify that my math and dimensional analysis, so far, are correct.
- ♦ **Created Flux-Switch Transformer:** a [single-purpose CAD program using POV-ray](#). Computed coil's Litz-wire length and resistance.

PROFESSIONAL EXPERIENCE

Cosmology Research, San Clemente, California | 11/2011 – present

Independent study of math, physics, cosmology, experimenting with electromagnetics, learning J-Language & Mathematica 10.

Primary Investigator –

Independent cosmology study, research, and deep investigations into dimensional analysis. Postulated the foundations of combinatorial Quantum-Wave Mechanics (QWM). Ongoing work to formalize its mathematical and geometric framework.

Studied: Dr. David Goodstein's of CalTech: Mechanical Universe Series (my notes), & Resonance Academy Course.

Studying: Nassim Hamein's published papers, David Thomson's "Aether Physics Model", Michael Talbot's "Holographic Universe", John Jackson's "Classical Electrodynamics", Richard Feynman's "Quantum Mechanics and Path Integrals", Charles Lucas & Dave Bergman's: Journal of [Common Sense Science](#), and [Dr. Konstantin Meyl's](#) presentations and writings, John W. Keely, WITTS.WS, Nikola Tesla & Dr. Patrick Flanagan's writings. Exploring consciousness: iacworld.org, autoprojection & remote viewing.

Torus Tech: San Clemente, California | 3/2017 – 3/2020*Physics Research & Development***Sr. Application Developer**

Administered SQL Database server, developed data acquisition and control systems in LabVIEW.

- ◆ **Created Resonator Controller:** in LabVIEW with extensive User Interface providing many parameters controlling 12-channels with complex multi-frequency rotation patterns with specific phase relationship. The UI featured 3D animated visualization of cyclic wave forms. The system drove an experimental apparatus that rotationally resonated Space~Time in and around the device. The system controlled power supplies, did A/D data acquisition while logging all settings and acquired data to a Microsoft SQL database.
- ◆ In VHDL created FPGA waveform generators, monitoring input sensors while driving variety of complex waveform patterns featuring extremely precise phase adjustments. Applications included driving many variations of electromagnetic devices, monitoring input sensors, and even driving plasma physics experiments.

Database Consulting, San Clemente, California | 04/2012 – present*Ms-SQL & MySQL database integration. Support a database needs for a Magento e-commerce website, Amazon & eBay listings.***Major Accomplishments:**

- ◆ **Integrated Ms-Access front-end with Ms-SQL & MySQL:** interactive queries into a remotely linked Magento server; created many queries that JOIN views *between* both servers at once; including Db Trigger logic via remote UPDATES.
- ◆ **Managed multiple vendor warehouses:** required translation of multiple vendor SKU's, pushed product descriptions/inventory into Amazon & eBay(M2EPro); interpreted HTML DOM to extract database data from Amazon Seller-Support webpages.
- ◆ **Implemented Virtual PBX:** configured IP phones & network routers, VPN tunnels, etc..

Panasonic Avionics Corp: Lake Forest, California | 3/2011 – 11/2011*In-Flight Entertainment systems (Japan, US, UK, Dubai, Singapore) approximately 3000 employees***Microsoft SQL DBA**

Administered several SQL Database servers and a few SQL Reporting Servers (SRS), setup backups using Quest LiteSpeed for SQL, administered Team Foundation Server and used TFS to retrieve latest programmer updates and deploy to production.

- ◆ Created Panoramic: a utility for DBAs to get an overview of all databases across several servers: database/table storage requirements, browse-able summary of database objects with a concise presentation of keys and table columns. Quickly revealing the degree of efficiency or lack thereof.
- ◆ Created an SRS monitoring tool: quick histogram window of reports (pending, just started, finished okay, or errored-out) showing parallel execution across several backend database servers, one-click drill down showing overlapped execution on individual servers and one-more-click showing execution log details for each report's execution history.
- ◆ Setup latest SQL 2008 server for replicated database between two cities. Greatly increased speed seen by the user-base.
- ◆ Several letters of commendation for excellent customer service and for exhibited technical knowledge and skills.

Telogis: Irvine-Aliso Viejo, California | 6/2007 – 10/2010*\$30M Location Based Services for Enterprise customers -- in 16 states (+ several countries) with approximately 150 employees***In-house Information Technology Department**Starting out half-time, supported all in-house IT needs while the company revenue doubled **three** times – growing from 30 to 144 users. Researched, recommended and purchased workstations, notebooks, printers, cell/smart phones and broadband/networking hardware. Installed, administered security & maintained: PCs, printers, network switches, firewalls and database servers. Coordinate new-hire process and to support an employee-base in 16 states: Ms-Office, cellphones, notebooks, printers, VPN.

- ◆ Maintained and Administered NT Server saving over \$100,000 from outsourced consulting services, while providing much more responsive services to the happier user-base.
- ◆ Evaluated/Recommended hardware which out-performed and achieved higher satisfaction than “standard issue” notebooks.
- ◆ Recommended SonicWall Firewall over IPCop which turned out to be the salvation for this mission-critical function.
- ◆ Managed technical aspects of moving the headquarters from Irvine to Aliso Viejo, CA – site-survey, ordering Internet services, pulling/terminating cables, installing phone system, switches, firewall and servers.
- ◆ Upgraded servers, researched SQL 2008 new security considerations, installed and administered SQL 2008 R2 server.
- ◆ Setup SQL 2008 Report Services and new security administration interface.

- ◆ Four occasions managed to recover notebooks from very nasty virus attacks. (*Even those the anti-virus software missed!*)
- ◆ Helped promote within Telogis the Microsoft Certified Partner Program: saving almost \$60,000 in software licensing fees.

Database Consultant: 12/2005-5/2007

- ◆ TechMD: custom reports from a very complex enterprise-class service organization Ms-SQL database: Their other client:
 - UCP: [interactive drill-down reports, monthly summaries, weekly hours, daily transactions](#)
- ◆ iArmor: Ms-SQL & Ms-Access manufacturing tracking system: including bar-code scanning, inventory control.
- ◆ Parker Aerospace: SQL Server based [Estimating Tool](#) for test fixtures and comprehensive torture test procedures.

American Information Strategies: San Clemente, California | 4/2005 – 11/2006

Privately held Investment/Investor Lead Brokers.

Sr. Database Engineer

Designed and developed a neural-net database design to assimilate thousands of inconsistently coded contact lists into a consistent knowledge-base. *Blazingly faster than its predecessor.*

Major Accomplishments:

- ◆ Created a SQL database schema modeled after the human brain: Right & Left RAID stacks. Featured many queries, table-valued functions and stored procedures which assimilated hundreds of contact lists into a consistent, data-warehouse.
- ◆ Ms-Access user-interface (into SQL DB) that featured dynamic graphs and user interactions which constructed customer orders generating and FAXing the invoice directly to the customer. Many beautiful reports layouts to deliver to the customer.
- ◆ Almost every week the boss would come up with a special one-time report request and I'd only have 30-45 minutes to create some weird query and produce the report for the sales meeting.

iEnterprise Technologies: Costa Mesa, California | 8/2002 – 12/2003

Privately owned Software/Service Company catering to Automotive Dealerships.

Sr. Database Engineer

- ◆ Responsible for SQL Server: Installation, configuration, database replication (transaction log shipping)
- ◆ Established Database Design Standards: normalization, relational diagrams, referential integrity
- ◆ Redesigned Database Schemas: Optimized structure/indexes, tuned performance
- ◆ Developed Intelligent Software/Database Interface: Import/Export inventories, transactions. (VB, OLE-controls, Secure TCP)

Software Education of America: Brea, California | 8/2002 – 12/2003

Microsoft Certified School.

Instructor: Database Administration & Development

- ◆ 2nd highest score in school's history for Microsoft SQL Administration Certification Exam.
- ◆ While still enrolled in MCSD School, when another instructor suddenly left the company, my instructor asked me to take over the Microsoft SQL Administration class.
- ◆ Class students would often comment on how clearly I could explain things saying "Teaching really is your calling!"

TULON: Irvine, California | 3/1999 – 1/2002

\$20M-108M Carbide Drill Bits for the circuit board industry

Software Development Engineer

- ◆ MRP Database Dictionary (Meta-Data) auto-translated it to standard SQL.
- ◆ Ms-Access Applets: (via ODBC) to an MRP system (MAPICS-AS/400): A/R, A/P, sales analysis, inventory, mfg orders
- ◆ TulTrack: tracked tools received, in-process, shipments; printed and read bar codes.
- ◆ Consignment Inventory System: Access GUI sync'ed with SQL 2000 & AS/400
- ◆ Mission Management System: ongoing projects, monitoring (Access with OLE)
- ◆ Engineering Specifications: Correlated similar designs showing real-time inventories.
- ◆ Statistical Process Control: multi-language UI, semi-automatic data acquisition systems, and automated visual inspection systems.
- ◆ Robotics: VB GUI with DAO and Seiko SPEL (parallel tasking robotics).
- ◆ Customer Relationship Management Database: (SQL/2000, ASP)
- ◆ PCs (Windows 98, NT4, Windows 2000), Servers (Exchange, SQL). LAN Switches, WAN routers, SonicWall firewalls & VPN.

Consultant/Application Developer: Fountain Valley, California | 4/2001 – 7/2001

- ♦ Developed SQL Database GoFBO an aircraft repair shop system: Airplanes: makes, models, maintenance history, work orders, line-item progress status; Employees: roles, scheduling, time tracking; Categorized: problems, corrective actions, parts; Inventoried: multiple warehouses
- ♦ Ferro Corporation - Access application: automated importation of Lotus spreadsheets into Access, making translation into a consistent database schema possible.

Tycom: Irvine, California | 9/1994 – 3/1999
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Software Development Engineer

- ♦ OFI System (Opportunity For Improvement): problem resolution tracking (ISO 9000), English to SQL report writer (Amazing! Implied Multi-phase queries and JOINS.)
- ♦ Manufacturing Data Acquisition & Robotic control: multi-threaded VBA controlled automated vision and robots. Gave engineers many beautifully analytical charts.
- ♦ Billing system: Access GUI (via VPN) to HP9000 printed invoices in Japanese
- ♦ Web Access to Shipments: Customers inquiry of shipments without interrupting staff
- ♦ LAN, WAN, Servers: DHCP, WINS, Exchange, Proxy

Integrated Medical Systems: Fountain Valley, California | 2/1992 – 4/1994
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Sr. Programmer

- ♦ Way cool DOS Batch & C programs: processed medical insurance claims, supporting many protocols, data interchange formats including EDI. LAN, WAN, Servers: DHCP, WINS, Exchange, Proxy

EDUCATION, CREDENTIALS & AWARDS

The Resonance Project Foundation Graduate of the Delegate Program (May 2012)

Anthony Robbins Mastery University (2005-2006)

- ♦ Unleash the Power Within
- ♦ Date with Destiny
- ♦ Life Mastery
- ♦ Wealth Mastery

IBM: AS/400 Concepts, Facilities, Applications Programming, Boston, MA

Microsoft Certified Professional: Software Education of America, Brea, CA -- DBA (Oct 2002)

U.S. Navy: Navy Science Cruiser's Award (1969)

National Science Foundation: awarded grant for programming language design project (1969)

Cypress College: 2 years calculus, 1 year chemistry, 1 year physics

Physics Computer Development Project (UCI): Totally rewrote "Complex" a program that taught complex number theory, helped add a feature to "Quantum" that remembered each student's progress through various Computer Aided quantum physics teaching modules. (1972)

Western High School: Chemistry Student-of-the-Year

California Science Fair: 1st Place – for computer project built from old pin-ball machine parts.

Self-taught: 27+ Programming Languages, 10+ Database Management Systems, mathematics (vector calculus, learning tensors), computer science, Cognitive Science, epistemology, physics, learning quantum wave-mechanics & cosmology

Relevant Publications & Presentations:

1. **Understanding Understanding:** Early ideas about Cognitive Science
2. **Understanding the Mind:** and the role of Consciousness.
3. **Mysteries of the Universe:** Preface
 - Chapter 1: Epistemology
 - Chapter 2: Is Hubble's Law Flawed?
 - Chapter 3: A Finely Tuned Universe – by accident?
 - Chapter 4: "The path to the Holy Grail of Physics"

Chapter 5: Derivation of Genesis Cosmology from the Hebrew Text

Chapter 6: Mathematically assemble the Cosmic Puzzle

4. **Natural Philosophy Alliance:** World Science Database

[John Wsol's Profile Page](#): Some of my better and more concise writings.

5. **4D Cosmic Onion Model:** a paradigm shift enabling one to view the universe from a higher perspective while visualizing it with quantum-scale resolution.