JOHN WSOL

3359 Calle La Veta • San Clemente, CA 92672   JohnWsol@TrueCosmology.info • 949-201-3752

Cosmologist Extraordinaire / Theoretician / Software Developer / Database Developer
Proven Technical & Database Expertise in a Career spanning 30+ years

John has an aptitude for abstract pattern matching and higher-dimensional geometric thinking, a love for math, physics, & a passion for Cosmology. His ability to question fundamental assumptions of generations of scientists empowers him to unravel many mysteries of the universe. He is also a technically advanced database expert capable of analyzing complex business, engineering & scientific processes. Able to assimilate sophisticated systems & recommend best fit technologies resulting in innovative integrated solutions.

Proven areas of expertise include:

- Extensive Microsoft Access & Transact SQL experience
- SQL Database Optimization
- Understands various types of system failure and precautionary measures

- Higher-Dimensional Thinker
- Can assimilate complex systems
- Disciplined ER-diagrammer, flowcharts
- Dimensional Analysis

- Fundamental Questioning is a Habit
- Strategic & Tactical Planning
- Flexible, Multi-tasker
- Innovative solution provider
- Easygoing, Natural Peacemaker

INDEPENDENT COSMOLOGY RESEARCH, San Clemente, California | 12/2011 – present
Studied math, geometry, physics, cosmology. Developed apps in J-language, JavaScript, Python & graphics in POV-ray & Manim.

Primary Investigator

Studied: Dr. David Goodstein's of CalTech: Mechanical Universe Series – my notes.

Charles Lucas & Dave Bergman's: Journal of Common Sense Science, and Dr. Konstantin Meyl's presentations and writings. Working my way through: John Jackson's "Classical Electrodynamics", Michael Talbots "Holographic Universe", Richard Feynman's "Quantum Mechanics and Path Integrals",

Major Accomplishments:

- **Flux-Switch Transformer**: created a single-purpose CAD program using POV-ray. Correctly computed coil's Litz wire-length and resistance. *(Needed to find help with high-voltage electronics.)*

- **Cosmic Onion Model**: correlated properties of Spacetime Medium, Planck-Units to the geometries of Quantum Wave Numbers.
  - *Dark Matter:* Conceptually explains Galactic spiral arms are naturally stable.
    Created Mathematica generated illustration with explanation that makes this self-evident.
  - *Dark Energy:* Explains ever-expanding Space~Time Metric, resolving the Dark Energy engima.
  - *Dark Flow:* is one of the model's predictions. It expects there to be an exact opposite side to our hyper-spherical universe – it expects the galaxies in this area to "appear" to be emerging-from our converging-into these focal points.

- **Physics Calculator with integrated Database of hundreds of physics equations**

- **Discovered the exact formula for Fine-Structure Constant:**
  - $1/\alpha = \sqrt{137^2 + (30*(PrimeC+5))/(59*PrimeConst-8)}$; **PrimeC** = Sum($2\char`^-\{primes\}$)

Quantity	Value	digit36	relUnc
1/α_2018	137.035`999`084		1.5e_10 <-CODATA
1/α	137.035`999`084`114`069`051`510`536`990`526`283		0.5e_36 *<-my calcs*
α_2018	0.007`297`352`569`3		1.5e_10 <-CODATA
α_x	0.007`297`352`569`277`726`665`783`313`402`330`653		0.5e_36 *<-my calcs*
PrimeC	0.414`682`509`851`111`660`248`109`622`154`307`708		1e_39

- **Reverse Engineered CODATA dataset**: Solved 12-core equations as a system of simultaneous equations in 12 unknowns.

- **Invented Quantum Harmonic Resonant Diagrams:** visualize Quantum Wave Numbers with quantum resolution.

- **Reverse Engineered Quantum Field Theory**: discovered the lowest common denominators for neutrons, protons, muons & electrons. Determined the EXACT Space~Time expansion rate of the universe. Reduced hBar to the reciprocal of the square root of a specific integer. In this universe, *EveryWhereWhen* something *happens,* each quantum event couples to factors of this number – *everything.*

PROFESSIONAL EXPERIENCE

CROWN STERLING, Newport Beach, California | 08/2020 – 2/2023
Member of Mathemagians Think Tank.

Mathematical Physicist, Cosmologist
Member of Mathematicians Think Tank: explored Pythagorean Triples in cryptography & made significant contributions in advancing our understanding of quantum physics & cosmology.

Major Accomplishments:

♦ Introduced Think-tank to cosmological time-dealation (absolute vs. emergent spacetime metrics) & quaternion-like math.

♦ Helped develop Robert Edward Grants' cryptographic ideas exploring many different approaches: researched digital roots, Pythagorean Triples & geometric techniques for factorization of large numbers, implemented high precision algorithms in J-language, replicated many of Robert's compass & straightedge constructions in J. Explored polygon spirals and polar plots of primes & quasi-primes.

♦ Study & apply Elon Musk's philosophy of First Principal Analysis. Studied Quantum Hall-Effect & Schwinger Effect. Studied some of String Theory & Loop Quantum Gravity views on quantized spacetime. Research De Broglie's quantization of angular momentum & possible connection with Thomson precession.

♦ Explored holographic properties of n-dimensional spheres, cylinders, torii.

♦ Discovered: 12-radian rotations somehow relate to 12-semitones of musical scale: $2^{(n/12)}$ powers

♦ Age of Universe = $4\pi2*(1+FineStructure)*(Bohr\_radius)/(Planck\ Length*c) \approx 13.762$ billion years

♦ Initial explorations of Quantum Harmonic Diagrams: $710/113 \approx 2\pi$; $12\varphi^2 \approx 10\pi$,

TORUSTECH, San Clemente, California | 3/2017 – 03/2020
In-Flight Entertainment systems (Japan, US, UK, Dubai, Singapore) approximately 3000 employees

Sr. Applications Engineer
Developed data acquisition and control system for "The Resonator". Generated precision controlled frequencies and sequencing of 24 output channels while monitoring temperature sensors. Throttled down "duty-cycle" to avoid overheating.

Major Accomplishments:

♦ Programmed FPGAs to control a variety of scientific experiments and prototype inventions.

♦ Automated computer interfaced spectrum analyzers which gathered data

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.

Major Accomplishments:

♦ 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 stared, 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 increase speed the user base.

♦ Several letters of commendation for excellent customer service and for exhibited technical knowledge and skills.

DATABASE CONSULTANT: 12/2005-5/2007

TELOGIS, Irvine-Aliso Viejo, California | 6/2007 – 10/2010
$30M Location Based Services for Enterprise customers located 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.

Major Accomplishments:

♦ 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

Major Accomplishments:

♦ TechMD: custom reports from a very complex enterprise-class service organization Ms-SQL database.

♦ 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 numerous queries, table-valued functions and stored procedures which could assimilate hundreds of contact lists into a consistent, pattern-match, 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 a 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
Notable Accomplishments:

♦ 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 Comm. Software/Database Interface: Import/Export automotive inventories, transactions. (VB, OLE-controls, Secure TCP

SOFTWARE EDUCATION OF AMERICA: Brea, California | 8/2002 – 12/2003
Microsoft Certified School.

Instructor
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.

Notable Accomplishments:

♦ 2nd highest score in school's history for Microsoft SQL Administration Certification Exam.

♦ Class students often comments on how clearly I could explain things saying "Teaching really is your calling!"

TULON: Irvine, California | 3/1999 – 12/2002
$20M-108M Carbide Drill Bits for the circuit board industry

Software Development Engineer
Major Accomplishments:

♦ 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 human-language support for shop floor 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 (DHCP, WINS, DNS, Exchange). LAN Switches, WAN routers, SonicWall firewalls & VPN.

CONSULTANT: Fountain Valley, California | 4/2001 – 7/2001

Accomplishments:

♦ 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 | 3/1999 – 12/2002
$20M-108M Carbide Drill Bits for the circuit board industry

Software Development Engineer
Major Accomplishments:

♦ OFI System (Opportunity For Improvement): problem resolution tracking, 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
$20M-108M Carbide Drill Bits for the circuit board industry

Sr. Programmer
Major Accomplishments:

♦ DOS Batch files (*Cleaver beyond belief!*): processed medical insurance claims, supporting many protocols, data formats

♦ Created C program to process Electronic Data Interchange format (EDI).

Education, Credentials & Awards

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

Anthony Robbins Mastery University
- 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

National Science Foundation ▪ awarded grant for programming language design project.

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

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

California Science Fair ▪ *1st Place* – built a Binary Digital Computer 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: See Curriculum Vitae