



## Curriculum Vitae

# Mark E. Williamson

### About me

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**Nationality** American Citizen

**Education** Studied business administration and computer science at American InterContinental University and various California colleges

**DYNAMIC C/V** <https://markwilliamson.williamsonsoftware.com/>

### Languages

**English** Native speaker  
**Spanish** Fluent  
**French** Fair

### Experiences

Founded [Williamson Software](#) in 1990 in Santa Barbara, California. Company published computer software for vocational rehabilitation and medical offices throughout California and the Western United States for 20 years. History available at <https://history.williamsonsoftware.com>. *On the Internet since 1996*. Company now focused on supporting DNA, a new “cryptocommunity” system (see below).

Founded [SolarSnap, Inc](#) in 2013 as a multinational manufacturing and retail sales solar power products startup. Invented the patented SolarSnap solar panel, a liquid cooled solar panel. Company received funding grants from Mexico and micro private equity venture investment. Structure consists of a Delaware corporation overseeing child foreign captive asset corporations used for manufacture.

### Application Development and Work Experience

**1990 – 2010:** Developed applications for the DOS, Windows and Apple operating system environments for Williamson Software. These “traditional”, PC based applications, were designed for billing and scheduling in medical offices and forms and invoicing for California vocational rehabilitation companies. See [Williamson Software](#) for software titles and detailed historical information.

**1996:** Began server management for Internet websites by renting space on servers at an early, local Internet service provider in Santa Barbara, California called RAIN (Regional Access Information Network). In 2005 began server deployments using remote shell access working as the primary administrator running the Linux operating system. Also, in 2005 began a freemium proxy service called GhostProxy which was coupled with GhostFox, an open source fork of Firefox aimed at the emerging privacy surfing market. At its pinnacle GhostProxy was receiving over ¾ of a million hits per day from

users all over the world. GhostProxy allowed dissidents, especially in some Asian countries, to access the Internet without firewalls or government tracking. GhostProxy utilized switchable IP address and numerous alternative domain names as an innovation in the emerging Internet proxy sector. GhostFox copy-cat efforts at Firefox and Chromium lead to “privacy windows”.

**2006:** Developed an online document sharing system for a Santa Barbara startup called InfoShare. The product was called DocuPost and featured an Internet-connected document management system where users could upload and publish documents by “printing them” to the server - system utilized a special printer driver application. Copy cat efforts by Google lead to Google Drive.

**2007:** Contributed a decentralized, hash entry file verification system called IFS to Hal Finney and Bitcoin development work being done in Santa Barbara, California. The IFS was a new file system that was designed to function as a decentralized, shared manner, which ran on multiple devices and was made possible by the iBlock. The iBlock consisted of a linked list of file entries which were used to validate the files in the file system on every device as being genuine and up to date. This design is similar to blockchain. This project, an offshoot of ideaOS, became the basis for blockchain which is essentially a decentralized file system with the data, ergo transactions, being like the standard file data and the linked-hash system contained in the header functioning as a content validation mechanism. This effort combined with Mr. Finney’s previous work on RPoW, became the first successful decentralized asset cryptocurrency called Bitcoin which went into production in early 2009 and, to date, has grown quite large. This work was released under the pseudonym name of Satoshi Nakamoto to protect the creators. The more sophisticated, Forth-like scripting functions would have to wait until 2019 and the DNA project with the newly deployed *eRobots* system. Reference articles on [williamsonsoftware.com](http://williamsonsoftware.com) and [earthica.world](http://earthica.world). Copy-cat efforts lead to Ethereum, Solana and numerous other cryptocurrencies.

**2014:** Developed web based task management system similar to Slack called WorkOn, code named Sketchy, which lead to copy-cat works by Microsoft and eventually Slack.

**2018:** Developed web based application to act as an enterprise management system to track sales and installations for a solar panel manufacturing and retail enterprise called [SolarSnap](http://SolarSnap). The app is called *SIS, SolarSnap Information System*. More information available at [solarsnap.com](http://solarsnap.com).

**2021:** Developed a web based application for a community of 700 homes to track every entrance and exit to/from the community. System was based on CodeIgniter4.

**2022:** Began development upon an open source project called *Ignition* which is an extension of CodeIgniter4. This application, available on Github, allows a PHP developer to quickly build a comprehensive and scalable web application for any size enterprise. Project available at the follow URL: <https://github.com/markw101/ignition>

**2025:** Deployed into beta production a new decentralized “cryptocommunity” platform called *DNA, Decentralized Network Assets*. Using Bitcoin as the starting point, DNA was developed to address the deficiencies of existing cryptocurrency systems related to scalability, privacy and efficiency. The main targets were to build a more efficient consensus model and a system with unlimited user scaling, that shall favor peer domination in perpetuity. Further information is available at [earthica.world](http://earthica.world) and [myworld.cash](http://myworld.cash).

### Management

- Seasoned business manager with a track record of successful corporate leadership
- Able to fund raise using venture capital and grants
- Able to create and execute profitable sales and marketing campaigns
- Fluent in medical billing procedures and practice management data systems including ICD9
- Three decades of project team leadership experience
- Confident and trained in public speaking and able to create an inspirational common vision that produces team results

## Technical Abilities

- Expert in designing databases and implementing database management software including variants of SQL, xBase and others
- Knowledgeable in numerous Internet and networking protocols and routing technologies including TCP/IP, Ethernet, OSI, SMTP, FTP, HTTP, UDP, DNS, SSL, SSH and others
- Expert in cryptographic technologies and protocols including the following: blockchain (co-invented), public key cryptography, block cyphers, hash functions, wireless encryption protocols, and numerous authentication and authorization standards
- Internet and network security expertise, including firewall configuration, intrusion detection, attack methodology and systems monitoring
- Able to create and implement custom electronic document imaging solutions
- Seasoned in these programming and scripting languages: C, C++, Forth, Visual Basic, Visual FoxPro, Access, HTML, XML, Java, JavaServer Pages, CGI, CSS, Perl, JavaScript, PHP, VB Script, Ruby, AJAX
- Able to setup and manage custom web servers using Nginx/Apache and numerous other open source applications, either built from source or using a package manager
- Able to harden servers against intrusion by the world's most well funded, determined and capable agencies using a special blend of security tools and protocols.
- Technical writing and communication skills
- Expert in these operating systems: DOS, Windows, Mac, Unix/Linux, Android
- Experienced in SEO (Search Engine Optimization) and able to quickly build website page ranking and web traffic results

## Other Accomplishments

**1993:** Finished 111th in the New Zealand IronMan with a finish time of 10:28:16 and was first across the finish line in the Santa Barbara Sprint Triathlon in 1999.

**1996:** Hired by Nissan to work with historians at USOC to compile a database of every American Olympian in history. Built a touch screen system to allow lookups in the database in a kiosk that Williamson Software installed in Atlanta for the Centennial games. Database of 5000 entries was then built into a 5 ring monument. Database is now a part of American history and currently here: <https://olympiandatabase.com>

**2005:** Provided hacking forensics analysis in a court case involving a major California university. The expert analysis and legal preparation services assisted attorneys in prevailing and defending the university against a potentially costly lawsuit.

**2006:** Periodically provided technical analysis and copy edit support for UNIX textbooks with authors such as, [Harley Hahn](#).

**2006:** Assisted a US defense contractor in fixing an intractable functional issue with the Sidewinder, an air to air/ground missile. In the dual role as PM and software developer, efforts lead to fixing the part and receiving a commendation letter from an Air Force Kernel. The Sidewinder has since gone on to enjoy a renewed renaissance with the military.

**2019:** Developed a new theoretical physics model called Flow Theory to update General Relativity and solve known standard model deficiencies. First published in 2019, Flow Theory proposed a novel, multi-realm conjecture to explain gravity, time and electricity. Flow Theory resolves the "unified model" paradoxes that Einstein had struggled with and failed to solve in the 1950s. Copy-cat efforts sponsored by Microsoft are appearing on Youtube. Additional work and scientific essays available on [ResearchGate](#). This research lead to the development of the HyperDrive, a gravity manipulation tool and a renewed interest in alternative propulsion and artificial gravity generation in the United States.