

The Complete My One Universe Network



"Information At The Speed Of Light"

"The Complete My One Universe Network Literature"

Introduction, Description, and It Website Parts

Information Technology Database

Developed by

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Thirteen pages, Website Version available

<http://www.MyOneUniverse.com>

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Introduction

My One Universe has both private and public Internet areas. The online social media area is American technology first created by James L. Avakian in 2020 as a place to store details such as lists. We coined the icon and website known as the **ShopperLady(r)** part of our **MyList Network** website. The network has several sections and is in "beta" test application use at this time. A reference website is **AmericaDiscovered** that discusses this country and what life is like.

The network was designed to equally be displayed on a computer, laptop, tablet, and cellphone without the need for a separate app from an app store. The best viewing experience is from a computer in full screen mode.

Unlike Facebook, Twitter, and Instagram, our new network is a novelty and a startup information technology product.

MyOneUniverse is our network, it is comprised of the following Internet Domains and description:

MyList Network.com	List Creators
AmericaDiscovered.com	An American Reference
MyEntertainmentWeb.com	Your Entertainment Information
MyPersonalOrganizer.com	Detail Organizer, Photos, and Editor
MyTechnologyHouse.com	Portfolio Web
My1Apps.com	Your Dashboard App Center

My One Universe is the network home page and marketing information describing network content and how to access your information. This is the first place the public and clients land to learn about this network and its access and related costs. The websites are like islands or planets in our network universe. So look, learn, and have fun!

MyList Network.com is represented by **ShopperLady** and **ShopperLady Today** websites. The basic premise create lists of food, drugstore, office, hardware, and garden. Additional plans include more detailed information for automotive maintenance, beauty supply, and clothes buying for men, women, and kids.

AmericaDiscovered.com is a website of life in America. Sections include the government, states, and counties. Medicine, insurance, and more and where to buy it. America invented the fast food industries of American, Chinese, Italian, and more.

MyEntertainmentWeb.com is your entertainment center ! Information relating to movies and television and also Internet games. We strive for your entertainment because many people need instant actor and actress information.

MyPersonalOrganizer.com is you place to organize details ! Your monthly expenses, your business. Lyrics, documents, and hobby details can be stored here

MyTechnologyHouse.com is composed of OpticalAutomation portfolio products such as the following: HouseOfWebs.com, TechnologyAndTimes.com, and TheBrandedSeries.com groups of websites we made over the past decade.

My1Apps.com is your special place for network information. Its all about the network! It shows your usage, where you store information, when you stored and updated information. Your single reference ! Emergency information displayed here, with your permission, your doctors and physicians are listed for first responder access to help you recover from accident. Great for any age, young and old.

IV. Network Technology and Authentication

A. The Programming

Developed with a Full Stack front-end and back-end software set of technologies. It is a genuine MERN stack, we programmed it with MongoDB, ExpressJS, ReactJS, and NodeJS technologies. It even includes Mongoose, CORS, Nodemon and more under the software compiler hood.

The database is a durable internet accessible database with the latest security in place. Use of Auth0 is a client server access to allow its client secure access. Our software LogView accounts for accesses, both information updates and displays. We know when clients are using our database and how much.

Network Technology

Introduction, The Mongo Stack

Front End technologies are the website and framework and composed of **ReactJS**.

Back End technologies are the database as a datasource. This includes the **MongoDB, ExpressJS, ExpressJS, ReactJS, and NodeJS**

ReactJS, Front End Technology

The entire website uses industry standard ReactJS and is the Front End programming.

It was released first in 2013, and since then, it has become one of the most popular JavaScript libraries for building user interfaces. A Facebook innovation, it was developed by Jordan Walke, a software engineer and was initially released as an open-source project on GitHub.

Reprinted, Wikipedia, ReactJS

ClassNames in the ReactJS, JSX, are the webpage formatting, all the objects, text, images, and media are located by a format supplied by CSS3 and TailwindCSS, inside the ReactJS JSX pages CSS selectors are "classNames" that are named in .css files to specifically format each.

The industry standard location we store files are in Github.

This Front End technology called full-stack website programming.

MERN Stack, Back End Technology

The **MERN** Stack is a collection of technologies used to develop web applications. It was developed by Facebook back in 2013. It is an information technology industry standard. **MERN** is an acronym for the four technologies used: **MongoDB, ExpressJS, React, and NodeJS**.

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MongoDB is a product from the MongoDB company in United Kingdom, It is an industry standard everywhere.

ExpressJS was invented in April 2010 by TJ Holowaychuk, StrongLoop and others.

***NodeJS** was written initially by Ryan Dahl in 2009, about thirteen years after the introduction of the first server-side JavaScript environment, Netscape's LiveWire Pro Web. The initial release supported only Linux and Mac OS X. Its development and maintenance was led by Dahl and later sponsored by Joyent. The collection known as **MERN** aims to make the development process easier and smoother.*

Reprinted, Google browser search, MERN Stack, Express.js, and Node.js

Mongoose is **MERN** middleware. It defines how the data is stored to and from the website into **MongoDB** by a "Schema". **Axios** is a connector to fetch data from a URL database by an Application Programming Interface, **API**, for public data access.

B. Responsive Design

From my past five years of Full Stack website development, I used CSS3, TailwindCSS, and others. These are industry standard programming script programming languages and they strictly locate, position, and format all of the text, images, and video on each page of the screen. These scripting posotoins everything on a page and without both abstract and difficult reading could be maintained. Thus due to script industry standard and practice, I use these daily in my programing coding practice.

Because I first learned ReactJS three years ago using CSS3, I have found a close passion for its use. Each 'class' element can be defined exactly as the programmer dictates as with html page coding. In the case of MERN programming, the "R" stands for ReactJS and maintains use of "classNames" as selectors in the .css files as direct connection between the JSX ReactJS page and specific .CSS pages.

Flex, a Industry Magician

A programing method called Flexbox and Grid are similar but different in programming methods. Due to my first learning Flexbox I perfer to use it over Grid, but can read both.

Definition

CSS flexbox layout explains everything about all the different possible properties for the parent element (the flex container) and the child elements (the flex items).

Reprinted From, "CSS-Tricks"

Like an electronics schematic or architectural blueprint, CSS are the backbone of a website webpage. Whether the information displayed is from a dynamic database datasource or a statically placed set of words or paragraph, it is the work of CSS that arranges where data, numbers, and media and its place on a website webpage.

The Technology

A Responsive website Design Website, is provided by a programmer using CSS3. It automatically adjusts a display output equally to any size display. We use CSS3 Media Query for this programming. Whether the display is a full size 70" computer monitor, 15" laptop, Tablet, or Cellphone computer. A single set of programming accommodates all of these display sizes by itself. Its self-contained

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programming provides for all information display equally on the screen.

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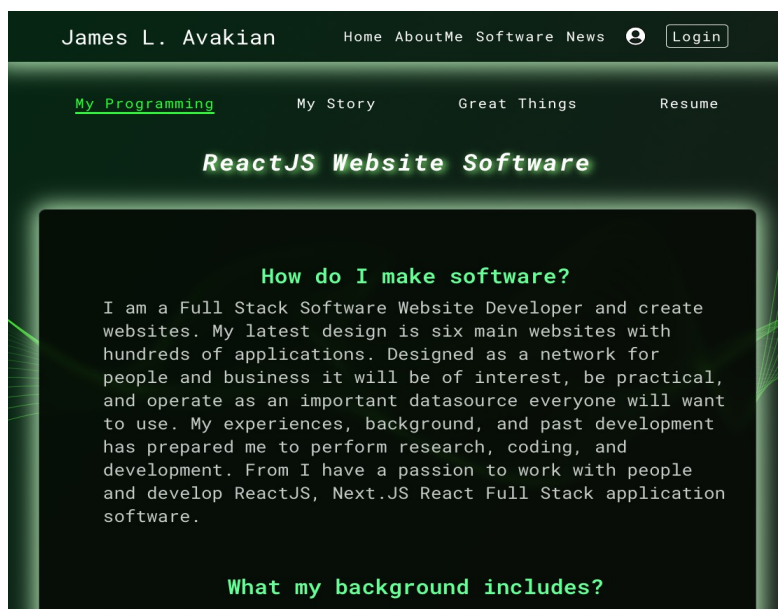
“The Importance Of Responsive Website Development”

Computer, full size	1200 x 2400
Laptop, Full Size	800 x 1200
Tablet, Handheld	600 x 800
Cellphone, Handheld	320 x 480 pixels

Figure One – Full Size, 1200 x 2400



Figure Two – Middle Size, 600 x 800



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Figure Three – Small Size, 230 x 320



Responsive Website Design provides for controlling all the parts of the website at Full, Middle, and Small sized displays as shown in Figure One, Two, and Three above. The information is specified by the CSS3 media query selector and adjustable by programming, size, and color. The main idea here is that you only need one set of code by the programmer and no need for a separate app application in an App Store. The cost is half and the time is the same for all website presentations.

A website is compiled for processing display. The programmer and computer compiler checks for errors and proper language implementation. Then the programmer deploys a Build of the website output so an Internet hosting computer can display it. The programmer next assigns a paid Internet Domain Name to the deployed website name. The end user client enters the `http://www.DomainName.com` and the website is shown by any of the devices. Although we discussed all displays, Watch, display are not covered and are way too small, but if a database is deploy the information stored may be displayed by a Watch with corresponding software.

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Network Security, Authorization and Authentication

Authentication

Authentication and authorization are two vital information security processes that administrators use to protect systems and information. **Authentication** verifies the identity of a user or service, and authorization determines their access rights.

Authentication is the act of validating that users are whom they claim to be. This is the first step in any security process.

Reprinted from okta.com

An authentication complete process with:

Passwords. Usernames and passwords are the most common authentication factors. If a user enters the correct data, the system assumes the identity is valid and grants access.

One-time pins. Grant access for only one session or transaction.

Authentication apps. Generate security codes via an outside party that grants access.

Biometrics. A user presents a fingerprint or eye scan to gain access to the system.

In some instances, systems require the successful verification of more than one factor before granting access. This multi-factor authentication (MFA) requirement is often deployed to increase security beyond what passwords alone can provide. (This network does not utilize finger or eye scanning).

Authorization

Authorization in system security is the process of giving the user permission to access a specific resource or function. This term is often used interchangeably with access control or client privilege.

Reprinted from okta.com

Giving someone permission to download a particular file on a server or providing individual users with administrative access to an application are good examples of authorization. In secure environments, authorization must always follow authentication. Users should first prove that their identities are genuine before an organization's administrators grant them access to the requested resources.

Authentication vs. Authorization

Despite the similar-sounding terms, authentication and authorization are separate steps in the login process. Understanding the difference between the two is key to successfully implementing an IAM solution.

Let's use an analogy to outline the differences. Consider a person walking up to a locked door to provide care to a pet while the family is away on vacation. That person needs:

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Authentication, in the form of a key. The lock on the door only grants access to someone with the correct key in much the same way that a system only grants access to users who have the correct credentials.

Authorization, in the form of permissions. Once inside, the person has the authorization to access the kitchen and open the cupboard that holds the pet food. The person may not have permission to go into the bedroom for a quick nap.

Authentication and authorization work together in this example. A pet sitter has the right to enter the house (authentication), and once there, they have access to certain areas (authorization).

Table One – Comparisons to Authentication and Authorization

	Authentication	Authorization
What does it do ?	Verifies credentials	Grants or denies permissions
How does it work ?	Through passwords or Apps	Through settings maintained by security administrator
Visible to the users ?	Yes	No
Changeable by user ?	Partially	No
How does data move ?	Through ID tokens	Through access tokens

E. JWT Security

Java Writing Tokens. JWT, are tokens that are the tiny building blocks of a Java program that are meaningful to the Java compiler. Tokens are the basic building blocks of any code script. These include keywords, operators, constants, or others unique syntactic stuff specific to the language

Reprinted from Google, March 23, 2023

JSON Web Token (JWT) is an open standard (RFC 7519) that defines a compact and self-contained way for securely transmitting information between parties as a JSON object. This information can be verified and trusted because it is digitally signed. JWTs can be signed using a secret (with the HMAC algorithm) or a public/private key pair using RSA.

Reprinted from JWT.io

A JSON Web Token is used to carry information related to the identity and characteristics (claims) of a client. This information is signed by the server in order for it to detect whether it was tampered with after sending it to the client. This will prevent an attacker from changing the identity or any characteristics (for example, changing the role from simple user to admin or change the client login).

This token is created during authentication (is provided in case of successful authentication) and is verified by the server before any processing. It is used by an application to allow a client to present a token representing the user's "identity card" to the server and allow the server to verify the validity and integrity of the token in a secure way, all of this in a stateless and portable approach (portable in the way that client and server technologies can be different including also the transport channel even if HTTP is the most often used).

F. PostHog

PostHog is a product of analytics & experimentation as an all in one platform. Get started. Improve your product with analytics, session recording, heatmaps, feature flags, & more. Heatmaps. Feature Flags. Product Experimentation. Session Recording & More.

This is a accounting method for verification of data storage and access. This assists as a legal tool for data access according to client information loss or valid information access.

V. Display Access

A. App Applications

The Apps are the center of each website. They both entertain, act as tools, and an asset to the network. We sell the apps, some are free and others are paid. Both are listed on the dashboard.

B. Your Dashboard

The Dashboard displays App ownership, network usage, clients in the public network and more. The dashboard shows a record of what parts of the network you use and how long and when. Also a record of where you access and update your personal information is displayed. There is no cost for used of your Dashboard.

C. Administrator

Administrator access is not to be discussed because the network runs with one to two years of employed man hours, from two years employment. The rate to employ an engineer is one hundred thousand dollars plus worker compensation insurance plus legal fees. This includes U.S. Copyright. It is your staff and programming to could present patent applications based on the system add to our system of code at the date of purchase. Therefore there is no Administer access available for purchase at this time.

D. Administrator Dashboard

No access at this time, it is solely an Optical Automation product at this time.

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E. Advertising

Certain parts of our network is "ad-free" no advertising so you can focus on your own entertainment. Because we are trying to make the network a commercial public place everyone can enjoy we need front page advertising so we can generate revenue from your viewing. We will not show ads inside app applications. We only show advertising on the first pages and on the marketing descriptions so you can benefit from online Internet marketing and our creative app applications.

VI. Pricing

A. Client

The App Applications are a dollar each and full website access priced at five dollars a month. Full network access it available at twenty-five dollars. Access to the Dashboard is free because it is a record of your purchases and where you enter data.

B. Administrator

None available.

Conclusion

Although words can describe many things from my creative thoughts, but the network is composed of several websites. Internet websites are visual, interactive, and provoke action, thus I cannot say enough about these works of programming creativity, they just must experienced first hand in a browser on your computer, tablet, or cellphone to capture the interest of these database information technology greatness.

The MyOneUniverse network is composed of many general applications. Specifically it can be described as interactive and interesting. Overall the following is what the MyOneUniverse does and where the parts are located:

MyList Network.com
AmericaDiscovered.com
MyEntertainmentWeb.com
MyPersonalOrganizer.com
MyTechnologyHouse.com

List Creators
An American Reference
Your Entertainment Information
Detail Organizer, Photos, and Editor
Portfolio Web

Visit the network and its parts often, its information is updated and changing everyday by our staff.

Thank you,

James L. Avakian, Developer
Optical Automation, LLC

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Appendix A

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Optical Automation	http://www.OpticalAutomation.com
MyOneUniverse	http://www.MyOneUniverse.com
MyOneUniverse, Access Store	http://www.MyOneUniverse.shop
MyListNetwork	http://www.MyListNetwork.com
The ShopperLady	http://www.ShopperLady.com
ShopperLady Today	http://www.ShopperLadyToday.com
My Entertainment Web	http://www.MyEntertainmentWeb.com
America Discoverec	http://www.AmericaDiscovered.com
Network Dashboard	http://www.My1apps.com
MyPersonalOrganizer	http://www.MyPersonalOrganizer.com
DetailBase	http://www.DetailBase.com
MyTechnologyHouse	http://www.MyTechnologyHoues.com
CoolJimmy.com	
HouseOfWebs.com,	
DollarDiscount.com,	
Technology And Times.com and	
TheBrandedSeries.com	
Network Author	http://www.James Avakian.com

Appendix B- Product Videos

Pinterest index

<https://www.pinterest.com/jamesavakian/my-product-videos/>

Optical Automation

<https://biteable.com/watch/3035980/b7b7c1a2ea14509b9b6e152036949f15>

Optical Automation, Mission Statement 2023

<https://biteable.com/watch/3036644/5d5e973fde30a409cd59ec9ec36ee406>

Author, James L. Avakian

<https://biteable.com/watch/3261325/ac1ef537457524ade58bc73cfe4c7a72>

Developer, James L. Avakian

<https://biteable.com/watch/3714125/a539e52ce6ef052bf12e4ce7deb2d60e>

MyOneUniverse, Videos

<https://biteable.com/watch/3097407/594a720b62bae68b534951d25eb0dbd3>

AmericanaDiscovered

<https://biteable.com/watch/3081382/4ca1b6f98216d3de312e043e19c7e477>

ShopperLady

<https://biteable.com/watch/3036301/9daa88c0c742444f8edb2a1fd4961fdf>

PersonalOrganizer

<https://biteable.com/watch/3036416/d13a69fe6ecd6b46d67bfbf36500ceb4>

BusinessOrganizer

<https://biteable.com/watch/3039291/459a747027c6b92a0e5b3ca30f1ce2d2>

My Technology House

<https://biteable.com/watch/3041713/2d4fb91f031c4c0a1344f4456c9204e5>

Technology and Times

<https://biteable.com/watch/3041599/7951c6d469fd16c1f488856b2da18915>

Appendix C Social Media Networks

GitHub Repository,

<https://www.github.com/jamesvakian62>

One Github Repository,

<https://www.github.com/javakian>

Facebook

<https://www.Facebook.com/james.avakian.9>

LinkedIn

<https://www.Linkedin.com/in/james-l-avakian-13500713/>

Pinterest

https://www.Pinterest.com/jamesavakian/_saved/

INstagram

<https://www.Instagram.com/jamesavakian/>

StackShare

<https://stackshare.io/jamesavakian62/jamesavakian62#stack>

Appendix D

Legal Disclosure

1. All company icons and names mentioned in this website technical document are property ownership of Optical Automation, LLC. Optical Automation, name text and artwork logo are registered with the United States Patent and Trademark.
2. Internet domain names have been paid and illustrated by this documentant website are registered by registrar Internet domain name registrations as property of Optical Automation, LLC.
3. The names OpticalAutomation,OpticalAutomation icon,ShopperLady,and ShopperLady icon has been registered by the U.S. Trademark Office and property of Optical Automation, LLC, A California Corporation.
4. All other industry technologies and product names are ownership of each respective company.

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