

James L. Avakian
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PROFESSIONAL SUMMARY

Experienced software developer with full-stack training in MERN and CSS3 seeks website database programmer position. Has three years of experience in information technology production. From design, integration, and update, my use of HTML-JSX, CSS3, and JSON, produces Responsive Website Design websites. I also create Next. JS using TailwindCSS. These full-stack websites are performant, display quickly, and provide SEO efficiency. I also use api RESTful access to open data sources and use MERN, MongoDB Atlas, Express. JS, React. JS and Node. JS Database Programming. I support an end-to-end software lifecycle for single source computing to mobile apps. I develop website apps by gathering information, designing colors, writing code, testing, storing, and deploying websites. I have many applications including eCommerce, personal, business, portfolio, information, and accounting websites. I am flexible and can quickly move from sample designs to full websites from my code archive. My CSS style for responsive web design provides full size thumbnails to replace separate mobile app builds. My code is efficient so solutions are easier to customize, cost effective, and meet the needs of users and clients.

TECHNOLOGY SKILLS AND EXPERIENCE

Front End:

ReactJS, HTML5, JSX, CSS3, Styled Components, TailwindCSS, Bootstrap, JSON, REST Api, and Hooks, useRef, useMemo, useState and UseNavigate implement experience by Netlify.

NextJS, CSS3, TailwindCSS, Github, and Vercel.

MERN Stack:

MongoDB, ExpressJS, ReactJS, and NodeJS with Axios, CORS, Mongoose, Nodemon, Firebase, with Front End technologies above

ACADEMIC EXPERIENCE

Bachelor of Science, Electronics Engineering Technology, California Polytechnic State University, San Luis Obispo, CA, January 1982 to June 1986, graduated.

Certificate, React.JS, JavaScript Mastery, Clever Programmer, Remote training, October 2021 to January 2022, Certificate granted.

Certificate, Microsoft Xamarin University, Tutorials and examinations, Online July 2018 to April 2019.

WORK EXPERIENCE

MERN Stack Database Developer

Optical Automation, LLC, January 2020 to present

Produced web 2.0/3.0, ReactJS full-stack database websites, and MERN stack websites. Created general information websites for social networks, eCommerce marketing and databases. Firebase dashboard login authentication created.

Developed .com, JamesAvakian, OpticalAutomation, DollarDiscount, HouseOfWebs, and TechnologyAndTimes websites. Working on the MyOneUniverse.com dashboard and website network as an personal, entertainment network for information display and retrieval by MERN stack technologies, sidebar, and Mega menus. These website networks are deployed by Netlify and Vercel.

Have researched and purchased domain names for twenty-five years and own one hundred domain names. I have experience with 1and1, enom, Domain Monster, and 123Reg domain registrars. During the nineties and year 2000, php/mysql experience with FTP hosting. Wrote Optical Automation, LLC "Terms of Usage", "Privacy Policy", and "Content Policy". Submitted U.S. Copyright, and U.S. Trademark documents.

Xamarin Mobile App Developer

Optical Automation, LLC, January 2016 to January 2020

Developed Microsoft Xamarin C# iOS and Android applications for mobile devices. Used Microsoft Visual Studio to build XAML, JSON, RESTapi, CoreData, SQLite and Azure information applications. Creating application development, human resources, project consulting and payroll management applications for devices such as desktop, phone, tablet, wristwatch and handheld displays. Developing personal, social, business and gaming apps for consumer, real estate reporter, movie media, camera photo, photo selection, speech recognition, speech synthesis and animated games.

iOS Mobile App Developer

Optical Automation, LLC, January 2014 to December 2016

Created App designs and production by use of Apple Xcode Swift for iOS phones and tablets. Apps created using UIKit, CocoaTouch, CoreData and JSON RESTful access with API database integration. App types include personal, business and creative games from real estate reporter, shopping creator, speech recognition, speech synthesis, camera photo album, movie cameras and games. Web access through JSON integration and Php/MySQL for Microsoft Azure Cloud Web Service unlimited client access. This includes HTML5 and CSS3 and Php/MySql with JQuery, JQuery Mobile and AJAX processing technologies for desktop with mobile RESTful API database access.

Test Technician

American Telephone & Telegraph, May 2001 to January 2013

Performed the maintenance and repair of Digital Circuit communications of long distance telephone lines for DS0, DS1 and OC-3 Sonet transmissions. Based at AT&T San Ramon and Tustin, California performed two separate roles of maintenance and chronic circuit technician repair centers. I repaired failed data circuits nationally between California, Mid West, and the East Coast. Repaired T1 phone lines in five regions and thirteen states, from California to Chicago to Texas to Florida. As an employee of AT &T Maintenance, I was a registered CWA union member for the AT&T National Maintenance Test Service Assurance Call Center. I worked all three twenty-four shift operations.

DSL Internet Field Technician

Pacific Bell, January 2000 to May 2001

Responsible for the residential installation of DSL Internet. By installing telephone modem and computer driver software, I re-established customer telephone and Internet access by installing software on Windows and Mac computers. Connect client service to POTS (Plain Old Telephone Service) electrically by MPOE (Minimum Point Of Entry) for voice and DSL. Using a company truck, I provided static and dynamic IP DSL Internet services. Accepted A+ certified Microsoft computer technician. Worked day shift only.

Internet Technical Support

Internet In A Mall, June 1997 to September 1998

Responsible for technical support to include telephone technical support for Microsoft Windows 95 operating system and Internet DSL access. In a call center I assisted telephone clients how to use Windows Control Panel for dynamic IP Internet access. Worked night shift only.

Software Engineer

Optical Automation, Inc., November 1987 to May 2006

Responsibilities include design and writing content for windows programs and developing websites. Developed ophthalmic eye movement head mounted display. Hardware and software design for National Institutes of Health. Wrote Basic programming for DOS programs. Submitted U.S. Patents for contact and non-contact eyeglass frame measuring machine by computer mouse electronics and video camera design for funding. Mechanical design and physical wood frame crafted myself to include mechanical drafting. I development sites fast with interactive display controls using templates and larger more websites. My programming background is primarily HTML/CSS and Php/MySQL. I have been using computers since 1983 and know DOS, Windows, and now use Apple Computers for development. From my experience, I prefer Adobe Creative Suite and Komodo editor for website creation.

Developmental Engineer

Hughes Aircraft Company, September 1986 to September 1987

As software database manager I was head of a team to determine information configuration and display function. We decided on the how and why to attributes and manage an electronics component database. The group on average was twenty-five in-house programmers and engineers. I arranged and headed meetings to accomplish standards for this database. I conducted weekly meetings and helped the company decide the configuration management of how to display military electronics parts for a company-wide component database. Operated IBM 3270 main frame in Company Secret area. While employed at Electro-Optical Data Systems Group, EDSG, in El Segundo, California, obtained Confidential and Secret defense department clearance.

Technologies, Practices, and References, Background

Computer Science, JavaScript

Algorithms (Searches, Sorts)
Performance
Time Complexity
Performance
Big O Notation
Data Structures

ReactJS

JSX, HTML
CSS3, Styled Components
CSS3, Responsive, MegaMenu, 320 phone
JavaScript
Form Components
Hooks, useState, light/dark
Hooks, no Links, useNavigate
Hooks, useStateValue
Hooks, useContext, Theme Selection
Hooks, Dispatch and useReducer prop communication
Firebase Dashboard login authentication
Json data
Conditional ternary operator
Payment, Stripe processing
SEO
Axios

Databases

MySql / Php, MySqlWorkbench
MongoDB, Atlas, and Compass

Editor

Microsoft Visual Studio Code
Microsoft Visual Studio Community
CoPilot Artificial Intelligence
Github.com Repository Backup Storage

Graphics

Adobe pdf editor
Creative Studio,
Photoshop, Lightroom, Flash, Dreamweaver
Icon Design, Prepo, WebMonkey, Iconfactory, InterfaceLIFT, and image manipulation
Apple GarageBand, Multitrack pre-recorded Audio, and artist song writer parts of guitar, bass, drums.

Deployment and Delivery

Heroku Git
GitHub
Netlify.com
Unit Testing
Linting
Continuous Integration

Server Side Development, API Design

Node.js, Express.js, Mongoose
app. get, post, **request**, **response**
CORS, Client-Server, Axios and Mongoose
Concurrent Processing
Nodemon
Firebase Authentication
MERN Stack
Rapid API Hub
GraphQL
Postman, Get, REST
SEO
HTTP request methods

Supplemental Topics

Apple Swift, SwiftUI, iPhone, Watch, Xcode
Xamarin, C#, Visual Studio, Code, Community
Java Applets
Amazon Web Services

Computers

IBM DOS, version 3.3
Microsoft Windows, Version 2 through 11
Apple MacOS, Snow Leopard through Ventura, v 13.2
Android phones and tablets
Apple, iPhone, iPad, and Watch

Office

Microsoft Office, Open Office, Word, Excel, Powerpoint

Acceptable Technology Roles

Full Stack Developer	Software Developer
Front End Web Developer	Application Development Manager
Back End Web Developer	MERN Stack Database Developer
Web Producer	Product Manager
Web Designer	Technical Project Manager
QA and Test Engineer	Network Website Engineer
Technical Business Analyst	Customer Call Center Technician

Additional Classes and Laboratories, 1980-2023,

40+ years DOS, Windows, and MacOS personal training experience.

California Polytechnic State University, San Luis Obispo, CA, Engineering Technology, 1980 – 1986, Intel SDK, microprocessor SDK for 8080, Z80, and 8086 Motorola, Zilog, and Intel Assembly Languages, National Semiconductor Digitalker, RS-232, IEEE488 HPIB Automated Testing and personal computer BASIC, Fortran, Pascal.

UCLA Extension, 1986-87, C, C++,

Self-taught, AppleSwift

Microsoft Xamarin University, 2018 C#, iOS and Android mobile app development.

Self-taught, SwiftUI languages from YouTube and Udemy classes.

Technical Documents, Self Author

Avakian, J. L., "The Importance of Responsive Web Design Websites", pdf

Avakian, J. L., "The Benefits of eCommerce Websites", pdf

Avakian, J. L., "Product Marketing, Price, and Planning", Powerpoint, pdf

Websites, Self Authored

Optical Automation	http://www.OpticalAutomation.com
James Avakian	http://www.JamesAvakian.com
House Of Webs	http://www.HouseOfWebs.com
MyOneUniverse	http://www.MyOneUniverse.com
AmericanaDiscovered	http://www.AmericaDiscovered.com
MyEntertainmentWeb	http://www.MyEntertainmentWeb.com
MyListNetwork	http://www.MyListNetwork.com
PersonalOrganizer	http://www.MyPersonalOrganizer.com
TechnologyHouse	http://www.MyTechnologyHouse.com
Dashboard	http://www.My1.im
Technology And Times	http://www.TechnologyAndTimes.com
CoolJimmyBand	http://www.CoolJimmy.com

Product Videos, Personally Designed and Produced

Video Index	http://www.my1.im
Pinterest	https://www.pinterest.com/jamesavakian/my-product-videos/
Optical Automation	https://biteable.com/watch/3035980/b7b7c1a2ea14509b9b6e152036949f15
Optical Automation, Video Business Summary	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
Dashboard	http://www.My1.im http://www.Hi5.im

Social Media Networking, Personal Pages

GitHub Repository, One	https://www.github.com/jamesvakian62
Github Repository, Two	https://www.github.com/javakian
Facebook, James Avakian	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/