



KAZ MICHAEL KARL

CONTACT

Location : Atlanta

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Linkedin : [KazMichaelKarl](#)

GitHub : [Code Sample](#)

ChatGPT : [The AI Agent of Kaz](#)

SKILLS

- **Mighty in Full Stack Web Development:**

I am a master of front end, middleware, and back end web development. This includes all four major stacks: LAMP/WAMP, .NET, and MEAN, and even Java. Because this always includes JavaScript, that is my strongest technology, all the way up to ECMAScript 2023, and most major libraries/frameworks (see below). I am also unusual in my mastery of browser extension development

- **Artistic UX / UI / Web/ Graphic Design:**

Adobe CC: Especially Photoshop, but also Illustrator, After Effects, and the rest. GIMP, SEO/search engine optimization, wireframes, full UI/UX development

- **Immune to:**

Poison ivy and bee stings, and able to hold my breath for 150 seconds

- **Management Skills of Wisdom and Truth:**

Team leadership, Mentoring, requirement gathering, proposal writing, full lifecycle experience / SDLC, agile (including scrum and XP)

- **Horrible:**

...in around eight languages, including German, Spanish, French, Italian, Latin, and Sanskrit. Conversely, replete with a sesquipedalian lexicon in English...but more importantly, skilled at internationalization of websites.

PROFESSIONAL SUMMARY

- 20+ years of professional graphic design and hands-on web development experience, and still constantly picking up new technologies, ergo the large skillset.
- Mostly consulting with high-profile, name-brand, mission-critical Enterprise projects, including design, development, social media and mobile web. In other words, a jack of all trades; an encyclopedic webster.
- Verbal and social skills unusual for a techie, along with tech / team lead experience, mentoring, client soft skills, requirements gathering, proposal writing, RFP and RFI development, technical writing, et cetera, and therefore also open to managerial opportunities.

WORK HISTORY

Full Stack Developer/Architect, 11/2021 to 01/2024

Cox Communications via Accenture - Atlanta (remote)

- Design and develop greenfield Risk and Issue reporting dashboard for asset tracking, using Bootstrap and React, as well as hand-coded JavaScript. Improve and maintain existing R&I forms and interface. These involved a full lifecycle of requirement gathering, proposals, and demo with stakeholders and managers. Maintain and edit SharePoint data management system, including Power Apps and Automate. Maintain and develop brownfield Excel data entry and reporting systems with VBA and macros. Light DBA with MS SQL Server, plus extensive stored procedure programming and documentation of processes. Light administration of Azure VMs, including server migration. Light Jira administration, especially of Kanban interface on scrum project.
- JavaScript, PHP, CSS, HTML, SQL, React, Bootstrap, jQuery, ExcelJS, code refactoring, REST API development, node.js, jQuery, SharePoint, Jira, ChatGPT, MS SQL Server, Azure/Kubernetes, IIS, Photoshop, Git repo administration

Front-End Development Lead, 01/2021 to 07/2021

State of Wisconsin, via Deloitte - Madison, WI (remote)

- Helped lead front end development for Wisconsin state website. Provided essential leadership/mentoring to a dozen Salesforce developers who did not fully understand CSS and JavaScript. Hand-coded some pure JavaScript functionality to provide features missing from the Salesforce framework, including a purely client-side PDF creation system to meet special security requirements for documents, using pdf-lib. Git repo administration. Fully realized UI development based on very precise Figma wireframes. Scrum (agile) project
- JavaScript, CSS, HTML, SQL, node.js, Visual Studio Code, Salesforce, Lightning Web Components, Kreator, pdf-lib, Git repo administration, WCAG, Figma

Lead Software Engineer, 05/2019 to 12/2020

Labor Staffing Inc. - Atlanta, GA (hybrid)

- **Super Social Media Development:**
WordPress, Facebook, Twitter, and Google APIs and account management.
- **Master of Mobile Development:**
Android, iPhone/iOS, Sencha, Ionic, PhoneGap, Cordova
- **Walk the Earth:**
Meet people, get into adventures. Well, I *have* studied Shaolin kung fu
- **Dom of Data Management:**
A part of being truly full-stack is being competent with database administration, which I am.
- **Natural Intelligence with Machine Learning:**
Involved in AI development theory for twenty years, recent expertise with model prompting, programming.

TECHNOLOGIES

Programming Languages:

JavaScript (hand-coded ECMAScript 2023) (20 years)

PHP (Laravel, Cake, WordPress, Drupal) (8 years)

.NET (C#, ASP, Entity Framework) (7 years)

Node.js / TypeScript (4 years)

SQL (stored procedures) (20 years)

VB, VBA, VBScript (5 years)

Java (Spring Boot, JPA) (4 years)

Perl (4 years)

Python, Golang, Rust

Object Oriented and Functional Programming

RegEx

Web:

HTML5 (20 years)

CSS3 (including the newest modules) (20 years)

AJAX / JSON (16 years)

SOAP / ReST Services (12 years)

React (Native, Redux, Next.js) (3 years)

E-Commerce (Shopify / WooCommerce) (6 years)

LAMP / WAMP (8 years)

Bootstrap / jQuery (8 years)

- Created a mobile and web-based app, to hire temp workers for major national staffing company, using JavaScript/Bootstrap, C# with ASP.NET, MS SQL Server, and other technologies, including coding in PHP and React with WordPress on secondary site, coding and leading a small team. Also data mining, refactoring, SEO, et cetera. This role required regular direct interface with management and president of company.
- ASP.NET, C#, HTML, JavaScript/ECMAScript 6, Bootstrap / 960.gs, React Cordova/Ionic, SVN/Subversion, CSS, node.js, ReSTful development, OAuth 2.0, ReSTful API development, SaaS, ASP.NET Core, C#, Entity Framework, MS SQL Server administration, extensive stored procedure development, Photoshop and Illustrator, Subversion, DocuSign and PandaDoc APIs, Postman, Docker, Git repo administration

Lead Software Developer, 04/2020 to 07/2020

Lenovo - Raleigh, NC (remote)

- Hand-code a Chrome extension to allow Chromebooks to protect school laptops that were sent home, by detecting and blocking dangerous or adult websites using a secure API. Mostly an independent role, gathering requirements by direct consultation with the stakeholders, then going off to produce the product...to thunderous applause.
- Chrome extension APIs, HTML, hand-coded JavaScript, ReSTful APIs, OAuth 2.0, CSS, Photoshop, Git repo administration

Head Developer, 11/2016 to 01/2020

YLDist - Saint Louis, MO (remote)

- Support and expand WordPress multisite servers, hosting around ten thousand websites for YLDist's customers. Program custom code with PHP and JavaScript, manage plugins, e-commerce with PayPal and WooCommerce, MySQL database, Apache services and site management, also overseeing 1 to 2 other developers. Some interface and graphic design. Direct interaction with stakeholders and the owner of the company.
- Heavy PHP and also refactoring, HTML, hand-coded JavaScript, jQuery, CSS, SaaS, some perl, shell scripting, OAuth 2.0, heavy Photoshop, some Illustrator, WCAG/508, full stack LAMP, Shopify, Git repo administration, MySQL/MariaDB

Lead Software Developer, 03/2015 to 11/2016

Comcast/Xfinity via Judge Group - Philadelphia, PA (remote)

- Design and develop browser extensions for Chrome, Safari, and Firefox Webextensions using JavaScript, JSON, HTML, and CSS. Use the suite of browser-specific plugin APIs, ReSTful APIs, OAuth 2.0. These plugins warn users if they go to a dangerous or pirate website, with a number of other features.
- Chrome, Safari, & Firefox Extension Development, HTML, JavaScript, CSS, Photoshop, Git repo administration

Senior Developer Lead, 06/2014 to 01/2015

Avaya - Raleigh, NC (remote)

- Front end/UI and Server-side development with JavaScript/CSS/HTML, especially with jQuery/JSON/AJAX, Angular.js, Bootstrap.js and PHP on Apache and IIS, and MS SQL Server. Part of a long-running team on a complex custom environment, tech lead with heavy mentoring.
- JavaScript, HTML, CSS, PHP, SQL, Bootstrap.js, Angular.js, Node.js, Apache, Adobe Photoshop, MS SQL Server, Microsoft IIS

Front-End Engineer, 09/2013 to 02/2014

Caesar's Palace via OSG Global - Atlantic City, NJ (remote)

- Analyze software options, then conduct front end/UI development with JavaScript/CSS/HTML, especially with jQuery/JSON/AJAX, Angular/Backbone, and server-side MVC/C# .NET and SQL Server work, in a Scaled Agile SAFE

OAuth / OpenID (6 years)

Browser extension dev (3 years)

Mobile Development / Progressive Web Apps (PWA)

AngularJS

SASS/LESS

WebAssembly

WCAG/508, HIPAA, COPAA

Frameworks / Libraries:

APIs (Google, Twitter, DocuSign, PandaDoc, et cetera)

CMS (SharePoint / Jira / WordPress)

ExceJS / spread.js / sheet.js / pdf-lib

Ionic / Cordova / Sencha / PWA

DevOps / Cloud:

Cloud Computing (Azure, AWS, PaaS)

Docker / Kubernetes

Shell Scripting / Batch / PowerShell

PaaS, SaaS

MS DevOps

Git Repo Management

Tools/Platforms:

Adobe Photoshop / Acrobat

Excel Macros / VBA

Salesforce

Postman

Visual Studio / Code / Eclipse / JetBrains

Data:

MS SQL Server

MySQL / PostgreSQL

NoSQL / MongoDB

PREVIOUS PROJECTS

Walter Reed Army Medical Center,

Bethesda, MD Senior Web Developer

IRS, Alexandria, VA Senior Web Developer

AOLTV Set-Top Box, Gaithersburg, MD

Senior Web Developer

CareerBuilder.com, Reston, VA Senior Web Developer

Department of Defense, Bowie, MD Senior Web Developer

environment. Conduct intensive QA testing, all for hotel booking engine website.

- HTML, hand-coded JavaScript, CSS3, jQuery, node.js, backbone.js, AngularJS, SQL, C#.NET, E-Commerce, Microsoft Visual InterDev / Studio, MS SQL Server, Microsoft IIS, AWS

UI/UX Developer, 06/2013 to 09/2013

Ubisense, via **Oxford International** - Denver, CO (remote)

- Client-side development using hand-coded JavaScript, node.js, some jQuery, along with HTML/CSS, python, with Google Maps and other APIs, Java/J2EE
- HTML, JavaScript, CSS, SQL, Python, Google APIs, including Maps

Lead Engineer, 01/2013 to 05/2013

Smartcrowd - Columbus, OH (remote)

- Heavy refactoring of UI code, especially the rewrite (using {less}) of a poorly-developed CSS class structure, also hand-coded JavaScript, HTML, bootstrap, Angular, media streaming. Took over Java role partway through project.
- HTML, SQL, CSS modules, LESS/Sass, AWS, hand-coded JavaScript, Java, Spring Boot, Hibernate

Web Developer, 05/2012 to 11/2012

Federal Reserve - Saint Louis, MO

- Advanced JavaScript programming, using jQuery and YUI, in a newScale and Remedy environment. Web 2.0 techniques, AJAX/JSON data transfer.
- HTML, SQL, JavaScript, CSS, jQuery/YUI, newScale, Remedy, AJAX, JSON

Web Application Developer, 10/2011 to 02/2012

AT&T via **Axelon** - Saint Louis, MO

- Convert existing network apps into websites, using very advanced JavaScript/JSON, CSS/XHTML, on the front end, and PHP/perl as middleware, using pLSQL and Oracle on the back end, very light C/C++, design for mobile devices, including asset tracking/CMMS system.
- HTML, SQL, PHP/Perl, JavaScript, CSS, MS SQL Server, Microsoft IIS, Apache

Senior Web Developer, 02/2011 to 06/2011

Charter Communications - Saint Louis, MO

- Design responsive, JSON/AJAX-based website interface, with PHP for asset tracking/CMMS and other tasks.
- HTML, SQL, JavaScript, Oracle, Sybase, CSS, JSON/AJAX, PHP, CMMS, refactoring

Senior Web Developer, 10/2010 to 01/2011

Boeing via **Talisen** - Saint Louis, MO

- Design and develop e-commerce website for the new 767 jetliner. Extensive use of AJAX/jQuery/JavaScript, CSS, HTML, XML, Object Oriented PERL, responsive drag & drop interface design, and code refactoring.
- HTML, SQL, hand-coded JavaScript, Oracle, Sybase, CSS, jQuery, JSON, AJAX, OO Perl, jQuery, responsive design, code refactoring

Senior Web Developer, 06/2010 to 09/2010

InfoTech - Gainesville, FL (remote)

- Front end/UI development with JavaScript/jQuery, CSS, HTML, JSON/AJAX, and significant MVC.NET / C# .NET development, with SQL Server work.
- HTML, SQL, JavaScript, CSS, VBScript/ASP.NET, MVC.NET, Microsoft Visual InterDev / Studio, CSS, MS SQL Server, Microsoft IIS


EDUCATION

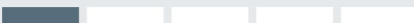
Motley Fool, Alexandria, VA Web Developer
Black & Decker, Towson, MD Web Developer
NOAA, Silver Spring, MD Senior Web Developer
Hubble Space Telescope, NASA, Laurel, MD Senior Webmaster / Developer

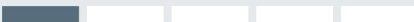
CERTIFICATIONS

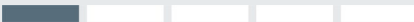
C#.NET MCSD
FCC Certification: React Native, Redux, Next.js

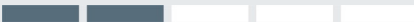
LANGUAGES

English:

Native or Bilingual

German:

Elementary

French:

Elementary

Spanish:

Elementary

Latin:

Limited Working

INTERESTS

- Machine Learning
- Drone Flying
- 3D Printing
- Philosophy of Science
- History
- Fan of Stoicism (a-la Marcus Aurelius, and the Enchiridion)
- Former guitar teacher

Computer Programming Certification: Computer Programming and electronics
CAVC - Collinsville, Illinois

FreeCodeCamp - San Francisco, CA
Certification: React Native / Redux / Next.js

Southern Illinois University Edwardsville - Edwardsville, IL
Computer Science

TechSkills - Saint Louis, MO
MCSD: C#.NET

ACCOMPLISHMENTS

- Architect in development and testing of major hotel booking engine
- **Boeing Excellence in Achievement** award as part of "four musketeers" team developing 767 aircraft sales website
- Mentored team of 12 developers on advanced JavaScript/CSS development
- Developed high-volume, front-facing websites, and mission-critical internal corporate web systems
- **Linux Guru:** When I started using Linux when I was a wee lad in 1992, the kernel was in alpha, X was an experiment that didn't even have a window manager, and Slackware did not yet exist. I also have considerable open source experience, including Mozilla (now called Firefox) as well as Linux. I'm also competent as an admin with Windows and MacOS.
- **Open Source Superman:** Aside from Linux, was involved in various other OSS projects, including Mozilla (you'd know it as Firefox) from the start.
- **Award-winning Wikipedian**, 10,000 edits, featured list, DYK, Curator Barnstar, Autopatrolled, similar cred with genius.com. Created articles include: React Fiber, ice cream float, Moultrie flag, Cyberpunk, and Segregated Witness.

