

Michael Scott McGinn
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"Builder of the Connected Web — From Fiber Optics to Full-Stack AI Apps, I Make Ideas Work"

US Citizen

Work Experience

Net Tech 2

ForgedFiber37-Lake City, WA

February 1, 2026 – Present

- Setup home routers and fiber optic gateways for 2000+ customers.
- Pulled Fiber Optic Cable into homes and businesses.
- Trained customers how to configure home internet gateways, routers and computers.
- Analyzed and Troubleshoot Technical Issues: Regularly assessed and resolved fundamental technical problems, ensuring smooth operations and minimizing downtime.
- Customer Needs Assessment: Collaborated with customers to understand service order requirements, evaluated telecommunication needs, and recommended additional or alternative services as needed.
- Installation and Maintenance: Expertly installed, maintained, and repaired residential and small business telecommunication services.
- Cable Splicing and Rearrangement: Performed intricate splicing rearrangements on various outside plant facilities, working with buried, underground, aerial, and building locations.
- Hardware Connection: Skillfully connected wires and cables to terminals and managed hardware attachments to wires, cables, buildings, and poles.
- Tool Utilization: Utilized a wide range of tools, including hand tools, power tools (air and electric), and specialized electric and electronic measuring devices (e.g., Viavie Optic Meter) to achieve precision in my work.
- Testing and Compliance: Conducted continuity and conformance testing to ensure quality and adherence to technical specifications.
- Technical Interpretation: Read and interpreted complex technical documents such as customer service orders, repair tickets, mechanical, electrical, and digital drawings, maps, blueprints, and diagrams to perform specified work.

Network Technician

Lumen Technology-Lake City, WA

September 2023 to January 31, 2026

- Setup home routers and fiber optic gateways for 2000+ customers.
- Pulled Fiber Optic and copper phone wire into homes and businesses.
- Trained customers how to configure home internet gateways, routers and computers.
- Analyzed and Troubleshoot Technical Issues: Regularly assessed and resolved fundamental technical problems, ensuring smooth operations and minimizing downtime.
- Customer Needs Assessment: Collaborated with customers to understand service order requirements,

evaluated telecommunication needs, and recommended additional or alternative services as needed.

- **Installation and Maintenance:** Expertly installed, maintained, and repaired residential and small business telecommunication services, including POTS, Hicap circuits, and DSL, ensuring optimal performance.
- **Cable Splicing and Rearrangement:** Performed intricate splicing rearrangements on various outside plant facilities, working with buried, underground, aerial, and building locations.
- **Central Office Work:** Efficiently executed tasks within the central office to meet customer commitments and adhere to industry standards.
- **Hardware Connection:** Skillfully connected wires and cables to terminals and managed hardware attachments to wires, cables, buildings, and poles.
- **Tool Utilization:** Utilized a wide range of tools, including hand tools, power tools (air and electric), and specialized electric and electronic measuring devices (e.g., multi-meters, volt-ohm meters) to achieve precision in my work.
- **Testing and Compliance:** Conducted continuity and conformance testing to ensure quality and adherence to technical specifications.
- **Technical Interpretation:** Read and interpreted complex technical documents such as customer service orders, repair tickets, mechanical, electrical, and digital drawings, maps, blueprints, and diagrams to perform specified work.
- **Color-Coded Wire Management:** Gained proficiency in working with telecom color-coded wires and cables, ensuring accuracy in connections.
- **Underground Cable Repair:** Demonstrated the ability to accurately locate and repair cut underground cables of all sizes, maintaining integrity and functionality.

Owner and Artificial Intelligence Agentic Web Application Enhancement Engineer GeekZoneHosting.Com, LLC-Bothell, WA January 1990 to Present

- Used Drupal, WordPress, Joomla and custom Php, JavaScript, and Python to develop computer solutions for clients including system builds, web applications, hosting and domain name registration services.
- Integrated OpenAI API into CMS systems to provide Chat Bot Assistance and Content Creation
- Integrated ElevenLabs API into Custom WordPress Plugin to provide onsite text to speech conversion service.
- Integrated Aweber Email api into Drupal and WordPress CMS to automate email collection to automated drip email campaign.
- Developed lead generation solutions and online marketing programs.
- Built Reseller Networks.
- Integrated external APIs to feed web sites with dynamic data.
- Created internal APIs using php and python to supply data to external systems.
- Developed custom javascript MIDI api to interface with MIDI keyboard to produce browser based polyphonic audio wave generator.
- Developed MP4 file processor to extract individual frames to add watermark and audio track to convert audio to text and then integrate with Google Text to Speech api to produce audio track in a different voice and recreate mp4 file from modified assets.
- Developed batch text to pdf file converter application to inject branding watermark and formatting to PDF files and create html index for them.
- Developed bulk batch text article library zip file to csv converter to prepare files for rapid importation into WordPress and Drupal CMS.

- Demonstrated expertise in web development, with a strong focus on HTML5, CSS3, and JavaScript.
- Advanced proficiency in client-side scripting and frameworks, including extensive experience with jQuery and React.
- Hands-on experience with Adobe Launch, Web SDK, and Adobe Analytics, showcasing a deep understanding of these tools.
- Skilled in using server-side CSS pre-processing platforms like SASS, enhancing the efficiency and maintainability of style sheets.
- Proficient in JavaScript pre-processing and packaging, utilizing tools such as Babel and Webpack to streamline development.
- Well-versed in Web Analytics standards, ensuring all applications developed are compliant and optimized for analytics.
- Exceptional ability to communicate complex technical concepts to non-technical stakeholders in an easily understandable manner.
- Comprehensive full-stack development experience, capable of handling both front-end and back-end aspects of web applications.
- In-depth experience with Adobe Analytics, utilizing it effectively in multiple projects to derive actionable insights.

Lead Vibe Coding Developer

PulseTryx.Com a subsidiary of GeekZoneHosting.Com

January 2026 – Present

Developed a highly customized WordPress theme and multiple custom plugins to create a Life Continuity Verification system with a trusty document release system.

Lead Vibe Coding Developer

GeekZoneGaming.Com, a subsidiary of GeekZoneHosting.Com

January 2025 – Present

Developed retro arcade gaming platform and community built on top of a Highly customized WordPress CMS.with a custom theme and multiple custom plugins.

Integrated Advertising Network Services for self service Banner Ad Placement.

Created PHP API for Game leader board and games card directory.

Integrated Adminer with SQLITE library for DB management.

Lead Vibe Coding Developer

GeekZoneGames.Com a subsidiary of GeekZoneHosting.Com

January 2025 – Present

Created a collection of retro arcade game remakes using javascript, html, php and css.

Blasteriods, Spaced Invaders, AI Pong, Game of Life Interactive, Text Adventure World Editor,

JavaScriptBasic Interperter, Towers of Hanoi, Periodic Table of Elements Explorer.

Associate – Lead Drupal Developer

HWC, INC-Washington, DC

March 2021 to June 2023

Held Public Trust Security Clearance

- Support development of three federal (.gov) websites receiving more than 2.5M visits per year; Support containers powered by Red Hat OpenShift; support DevSecOps practices and support a Jenkins-based CI/CD pipeline; conduct security scans, identify and document false positives, support remediation plans, and implement remediation for security vulnerabilities; advise on system-wide architecture and networking; supervise changes to DNS records, routing, networking, and TLS/SSL
- Manage configurations for content delivery, caching, SSL termination, networking, and security on Akamai and Cloudflare platforms
- Developed accessible, standards-based web experiences using Javascript, HTML, CSS, PHP, and MySQL
- Use design thinking methodologies to understand client needs and develop solutions for multiple federal agencies
- Support business development functions including opportunity identification and capture; contribute to solutions, design, technical writing, and production of proposals.
- Support multiple internal groups including digital practice, design practice, and marketing team
- Support in-house and external teams with design, graphics, data visualization, software development, and digital services
- Deploy numerous solutions to increase usability, reliability, and security of enterprise network, including zero-trust architecture and cloud-managed wireless access points

WordPress Developer

InfoSys, Ltd. @ Boeing-Bellevue, WA

April 2019 to March 2020

- Developed internal WordPress site to display a dashboard for data lake migration status for managers to keep track of the progress of large data migrations from legacy database servers to new servers.
- Developed an analytics application app store directory to showcase analytics applications developed internally for code reuse and modification.
- Developed api integration using WordPress with a java based application that queried an Excel sheet to extract data related to migration of legacy data lake storage to modernized data lake storage facility.

Broadband Technician

CenturyLink/Level 3 Communications-Seattle, WA

March 2016 to April 2019

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Lamp Stack Web Application Developer

Volt Workforce Solutions-Redmond, WA

May 2015 to March 2016

Responsibilities

I develop LAMP stack web applications.

Accomplishments

I have enhanced the base application with focused reports that streamline the business processes and consolidate multiple desktop applications into a web based application.

Skills Used

PHP, JavaScript, HTML5, CSS3 and MySQL. Apache server creation and administration.

Break/Fix Field Technician

CompuCom Inc. - Redmond, WA

June 2012 – May 2015

Perform on-site field service on IT equipment for clients.

Retail, Banking, Corporate Services, Civil Engineering, Port Management

Joomla Web Site Developer

GeekZoneBooks.Com-Bothell, WA

November 2011 to June 2012

Worked on 2 web sites to promote the conference planning and tourism industry for Detroit, MI. I worked as part of a team of developers. I focused on developing the CronoForms used by the site to collect visitor information and integrating various 3rd party extensions to the site.

Technology Used: Joomla 2.5, html 5, css, javascript, mysql, ajax

Joomla Web Site Developer

GeekZoneBooks.Com-Bothell, WA

September 2011 to June 2012

Create a Joomla based web site to provide non-profit organizations and volunteers with the ability to find each other. Create LAMP stack VPS server, Installed ZPANEL server management control panel. Technology Used: Joomla CMS 1.5, 1.6, 1.7, XML, MySQL, JavaScript, Php, HTML, XHTML, Ajax, Photo Shop, Fireworks, CPANEL, WHM, CentOS Linux VM, GIMP, FileZilla FTP, Dreamweaver

Founder & President

WapTug.Org-Bothell, WA

June 2010 to June 2012

Created non-profit corporation to facilitate research in the development of student run college computer user groups. Developed cpanel managed web hosting service for students use. Installed virtual desktop service for students to use. Created Joomla CMS Site, Created WordPress Blog, Installed ELGG social networking system to create social network for groups to use. Created corporation formation documents and filed with proper state agencies. Conducted state wide outreach campaign to activate chapters of Apttus.Org in all state run community colleges.

Technology Used: Joomla CMS 1.5, 1.6, 1.7, XML, MySQL, JavaScript, Php, HTML, XHTML, Ajax, Photo Shop, Fireworks, CPANEL, WHM, Linux, GIMP, FileZilla FTP, Dreamweaver

Business Owner, Consultant, Trainer and Web Site Developer

GeekZoneBooks.Com-Bothell, WA

June 1997 to June 2012

Create Web Sites. Sell domain registration services and web site hosting accounts. Develop and Market Affiliate Marketing Programs. Provide Application Training. Provide web site usability testing services. Technology Used: Joomla, Drupal, WordPress, XML, MySQL, JavaScript, Php, HTML, XHTML, CSS, Ajax, Photo Shop, GIMP, InkScape CPANEL, WHM, FTP

Joomla Portal Web Site Development Project Manager/Developer

GeekZoneBooks.Com-Bothell, WA

October 2010 to April 2012

Provide agile project management services to team. Train team on proper operation best practices. Create a Joomla based portal web site to provide customers, resellers, instructors, and childcare facilities access to a free form public web site editing tool, profile manager and a geo coded facility finder mapping application integrated with Google maps API. Create a development VPS and built LAMP stack for testing.

Technology Used: Joomla CMS 1.5, 1.6, 1.7, XML, MySQL, JavaScript, Php, HTML, XHTML, Ajax, Photo Shop, Fireworks, CPANEL, WHM, CentOS Linux VPS, GIMP, FileZilla FTP, Google Maps API

Communications Liaison

Cascadia College Student Government-Bothell, WA
June 2010 to March 2011

Responsible for developing effective student activity marketing material and processes. Created posters using MS publisher 2010. Created MS Access 2010 database tracking and management system to facilitate student discount business outreach program. Created on-line student event calendar management system for student clubs to access and update event information. I facilitated the creation of the student run on-line newspaper using the Joomla CMS framework.

Technology Used: Joomla CMS 1.5, MySQL, XML, JavaScript, PHP, HTML, XHTML, Ajax, Photo Shop, Fireworks, CPANEL, WHM, Linux, GIMP, FileZilla FTP

Web Site Developer Intern

Bellevue Police Foundation-Bellevue, WA
April 2010 to September 2010

Modified, developed and maintained a Joomla web site to raise foundation donations and promote the mission of the Bellevue Police Foundation. Trained staff on how to use Joomla and assisted with site content migration to a new hosted web service system.

Technology Used: Joomla CMS 1.5, 1.6, 1.7, MySQL, JavaScript, Php, HTML, XHTML, Ajax, Photo Shop, Fireworks, CPANEL, WHM, Linux, GIMP, FileZilla FTP

PC Technician (Smart Hand)

Wimmer Solutions-Redmond, WA
July 2009 to July 2010

Office pc equipment relocation logistics services. Inventory and disassemble pc work stations and pack for move. Reassemble pc workstations at new location and verify network connectivity.

Technology Used: PC System experience to disassemble and reassemble systems correctly
Help Desk Ticket Router

Cascadia Community College Open Learning Center-Bothell, WA
March 2010 to June 2010

Maintained open learning center Audio/Video media and computer equipment. Assist faculty and students with operation training on use and creation of multimedia projects. Created technical support manuals for student use. Routed trouble tickets to proper pc technician for resolution. Supported Mac and Windows products.

Technology Used: Photo Shop, MS Word, MS Excell, Dreamweaver, Illustrator, MS Access, MS SQL, SharePoint

PC Technician for Corporate Moving Systems

Robert Half Technology-Redmond, WA
July 2008 to July 2009

Responsible for Disconnects and Reconnects of Microsoft Employees PC Systems for moving PC Equipment Between offices when employees move to new office locations.

Technology Used: PC System experience to disassemble and reassemble systems correctly

II Technical Support Specialist

Wireless Data Services Global, Inc-Kirkland, WA

September 2006 to December 2008

Provided telephone based technical support for Verizon wireless and AT&T customers supporting handheld data communications devices and the integration with PC desktop systems (Blackberry, Palm, & Windows Mobile PDAs, Smartphones, WWAN Cellular Modems and cell phones). Assisted customers with setting up PIM synchronization with desktop Outlook and Exchange Servers. Assisted customers with dns, dhcp and static ip configuration to get email to resolve properly on pc systems. Utilized the Remedy ticketing system to document the troubleshooting analysis case tickets and escalate to Tier III if necessary for ticket resolution.

Technology Used: E-Mail, Internet Browser, Remedy in-house trouble ticketing system

Website Programmer

Mike's East Coast Sandwiches-Seattle, WA

March 2006 to February 2007

Created a php/mysql powered web site with data driven menu presentation system. Allowed manager of site to edit menu pricing and item descriptions using admin backend system. Allowed visitors to see current menu and specials of the day for ordering via phone for delivery. Designed printed menu. Worked front counter taking walk-in and phone orders. Purchased stock for store from local suppliers and delivered to store. Delivered meals to customers.

Technology Used: Joomla CMS 1.5, MySQL, JavaScript, Php, HTML, XHTML, Ajax, Photo Shop, Fireworks, CPANEL, WHM, Linux, GIMP, FileZilla FTP

Network Customer Support Specialist

VIB.TV-Video Internet Broadcasting Company-Ephrata, WA

May 2003 to August 2003

Provided inbound/outbound phone based technical support to customers for their TV set-top fiber boxes (end user education, trouble shooting, box testing and operational certification), fiber internet connectivity issues (dns, static ip, dhcp configuration, billing account issues, payment processing) and pc system configurations and troubleshooting for walk-in customers.

Technology Used: E-Mail and in-house trouble ticketing system

Outside Sales Rep

Genext, LLC-Wenatchee, WA

June 2002 to June 2003

Sold Home Security Products, ISP Services and Web Site Application Programming services.

Technology Used: MySQL, JavaScript, Php, XML, HTML, XHTML, Ajax, Photo Shop, Fireworks, CPANEL, WHM, Linux, GIMP, FileZilla FTP

Help Desk Customer Technical Support & Sales Engineer

Quicksilver Online Services, Inc-Moses Lake, WA

June 2001 to June 2002

Provided Customer system configuration and technical support for dial up and fiber internet services, Sales & Marketing of services, Web Site Programming for internal company website.

Technology Used: HTML, XHTML, Photo Shop, ASP, Access DB

Web Database Applications Programmer

Volt Technical Services-Spokane, WA

June 2000 to August 2000

Placed at Miller*Whiterunkel Spokane office (<http://www.ascentium.com/>) I worked on a project to convert the Spokane Chiefs hockey team's web site to a new creative format using ASP Classic based scripting and the Microsoft Access database to create an interactive web site for the Spokane Chiefs Pro Hockey Team <http://www.spokancechiefs.com>

Technology Used: Access DB, ASP Classic, JavaScript, HTML, Photo Shop

Intranet Web Application Developer

Nexus Ag. Chemical Inc-Othello, WA

April 1999 to February 2000

Designed Corporate Intranet Applications - Using Active Server Page, HTML, VB Script, Jscript, MS SQL 6, Wilsonware WinBatch (Used for secure customer DUN application), PeachTree Accounting, MapInfo, MS FrontPage 98 and Visual InterDev 6 to develop web applications which integrated and automated the sales order taking process with PeachTree Accounting. Application also allowed customers to access historical crop chemical application and invoice records for state reporting in various formats using a dial-in intranet interface which connected to a visual point and click graphical image map interface to select fields and drill down to account information. Configured office work stations to access company network. Configured routers and modem banks. Did on site customer installs of DUN application and did end user education for system operation. Provided technical training and support to field sales team for system operation.

Technology Used: ASP Classic, Jscript, VB Script, HTML, XHTML, MS SQL 6

Manager of Information Systems

Fountain Grove Executive Suites-Santa Rosa, CA

June 1988 to January 1989

- Designed, built and installed a multi-user computer system for 72 executive suite tenets to allow shared access to 80386 System running SCO Unix OS, Lotus 123, WordPerfect, DBASE, Laser Printer, and Daisy Wheel Printer.
- Trained Tenets on operations of software.
- Installed building serial wiring for Smart Wyse Terminals to access Computer
- Configured PBX system for receptionist and tenets.

Education

Certificate in Database Development

Cascadia Community College-Bothell, WA

2009 to 2012

Certificate in Web Foundations

Cascadia Community College-Bothell, WA

2009 to 2012

AAS/T in Web Application Programming Technology

Cascadia Community College-Bothell, WA

2009 to 2012

AA in General Studies

Big Bend Community College-Moses Lake, WA

1988 to 2012

Certificate in Computer Systems

Big Bend Community College-Moses Lake, WA

1988 to 2003

Vocational in Computer Systems

Big Bend Small Business Development Center-Moses Lake, WA

1992

Skills

Drupal 6-11 (10+ years)

Drupal CMS (1 year)

WordPress (20+ years)

ChatGPT LLM AI API (2 years)

X.AI (1 year)

Claud AI API(1 year)

Gemini AI

CoPilot AI

Flux AI

Stable Diffusion AI

Llama AI API(2 years)

Hugging Face

- CSS (10+ years)
- TCP/IP (10+ years)
- Reliability
- MySQL (10+ years)
- Team Work
- Problem-solving
- Operating Systems (10+ years)
- XML (10+ years)
- CI/CD (5 years)
- Scrum (5 years)
- Software Development (10+ years)
- Scripting (10+ years)

- User Interface (UI) (10+ years)
- Jira (5 years)
- Agile (5 years)
- Web Services (10+ years)
- Computer Networking (10+ years)
- Flexibility
- Application Development (10+ years)
- Git (10+ years)
- Python (3 years)
- SQL (10+ years)
- Joomla Web Site Developer (10+ years)
- Java (10+ years)
- JavaScript (10+ years)
- APIs (5 years)
- Apache (10+ years)
- HTML5 (10+ years)
- Docker (5 years)
- Linux (10+ years)
- REST (5 years)
- DNS (10+ years)
- AWS (5 years)
- Microsoft SQL Server (10+ years)
- Node.js (5 years)
- Bootstrap (5 years)
- GitHub (5 years)
- Test Cases (5 years)

Social Links

<https://github.com/waptug>

<https://linkedin.com/in/geekzonebooks>

<https://www.facebook.com/geekzonebooks>

<https://x.com/waptug>

<http://michaelscottmcginn.com>

<https://mtbn.net>

Military Service

Branch: United States Air Force

Service Country: United States

Rank: Airman First Class

March 1989 to March 1990

I was a services specialist. I provided billeting services to the base temporary housing office. I used a Wang Mainframe to run night audits of the available rooms on base and booked off base motel rooms for visiting personal on a Wang Mainframe. I worked in the dining hall as a line cook.

Certifications and Licenses

Acquia Certified Drupal 9 Site Builder

Present

Validation of my skills in creating and building Drupal 9 web sites.

<https://certification.acquia.com/person/certified/michael-mcginn>

Publications

GeekZoneBooks.Com Guide to Networking History

<https://geekzonebooks.com>

April 2007

Travel through the history of computer networking and learn how computers and cell phones send data over the air in a secure manner from the moon and back.

ISBN 978-0-980212-0-9

Download your copy at

<https://geekzonebooks.gumroad.com>

Computer Skills

Web Application Programming Technology

Joomla, Drupal, WordPress, JAVA, CSS 4, HTML 5, XHTML, JavaScript, PHP, ASP, CFM, MySQL,

MS SQL, Postgres SQL, XML,FLASH, Action Script, Macromedia Director, Dreamweaver,

PhotoShop, .Net, Visual Studio, MS SQL Manager. Networking

Nat Routers, switches, Ethernet, 10/100/1000Base-T, TCP/IP, topology design and optimization, administration, file and print sharing services, DNS, DHCP, POP3, SMTP, HTTPD, STATIC IP,

Domain Registration, Cpanel and Web Hosting Administration

Platforms WinTel PC, Macintosh

OS & Software Ubuntu Linux, CentOS Linux, Red Hat Linux, Windows 3.1-7, NT Server 4, MS

Server 2000-2008, Outlook, Word, Excel, Access, MS SQL, VMWare, Remedy Ticketing,

Dreamweaver, Flash, PhotoShop, Illustrator, VirtualBox

Hardware

X86, IDE, switches, Tape backup systems, 802.11b/g/n router setup.

Web Site Portfolio

See <https://MichaelScottMcGinn.Com>