

Valerie L. Hopkins
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Technical Skills: React, Leaflet, ArcGIS, OpenLayers, GIT, CICD, Vite, Drupal, WordPress, HTML5, CSS3, SASS, JavaScript, jQuery, D3, Angular, TypeScript, JSON, GeoJSON, Material UI, WCAG, AJAX, C#.NET, ASP.NET, XML, SQL Server, Oracle, VMWare

SUMMARY:

- Versatile Web Application Developer and Technology Specialist with 20+ years of experience building scalable frontend and backend systems. Proven effectiveness liaising with clients, operations, stakeholders, and QA through exceptional communication. Adept at leveraging modern AI-assisted development pipelines (GitHub Copilot, Claude, Gemini) to dramatically shorten release cycles without sacrificing code quality, security, or system performance.

CAREER HIGHLIGHTS:

- Optimized data-fetching performance in a React-based event mapping application by building a debounced fetch pipeline, an in-memory cache for reverse-geocoded addresses, and concurrency-throttled batch requests — eliminating duplicate network calls and reducing load on third-party geocoding APIs.
- A member of a small team that rebuilt the front-ends of mobile and desktop sites such as TJMaxx and Northeastern University's Graduate Program in WordPress. Turned high-quality designs into pixel-perfect pages using HTML5, CSS3, SASS, JavaScript and jQuery.
- Developed, managed and deployed a system in VB.NET that handled the collection and sending of data from consumer-facing web sites (such as Breyer's Ice Cream, Nestle Waters, Dove, and Dewars) to fulfillment vendor Epsilon. The result: the time it took to extract, transform, validate and load data decreased from more than twelve months to fewer than two weeks.
- Designed and developed a diagnostic test in C#.NET that enabled clients to independently resolve connectivity issues in a cloud-based environment, significantly shortening the amount of time operations spent trouble-shooting, resulting in quicker resolution and higher client satisfaction.

WORK EXPERIENCE:

2024-present **Riverside Technology, Inc./Consolidated Safety Services, Inc. (Remote)**

Web Dev/CMS Specialist

- Lead developer of a responsive React geospatial web application for NOAA/NCEI that enables users to consume, parse and visualize complex meteorological datasets (tornadoes, hail) from Google Cloud Storage buckets. Key contributions include: interactive Leaflet map with custom draw tools, spatial filtering, and ESRI vector basemaps; a responsive MUI DataGrid with dynamic column management sourced from raw GeoJSON feature properties; CSV and GeoJSON download functionality with computed fields and configurable exclusions; an expandable data table modal with async address geocoding and race-condition-safe state management; and accessibility improvements including Section 508/WCAG 2.1 AA compliance for keyboard navigation and screen readers.
- Responsible for all content creation and updates to www.ncei.noaa.gov in a Drupal system.

2018-2024 **Self Employed**

There were two sides to my business; website development (www.vallhopkins.com) and fitness. The fitness side included personal training, group strength training classes, online training programs for competitive cyclists, and creating a mountain biking program for ages 6-16 and a race team; participants competed in NEYC (New England Youth Cycling) races.

4/18-10/19 **Corridor Company, Newburyport, MA**
Software Engineer

- Collaborated within a cross-functional development team to build and enhance the frontend of an enterprise-grade Contract Lifecycle Management (CLM) SaaS platform optimized for Microsoft 365.
- Delivered high-quality feature deployments under tight deadlines, operating in a fast-paced Agile/Scrum framework with rigid 2-week sprint cycles.
- Engineered responsive Angular components and reusable UI elements using TypeScript to streamline complex user workflows, including digital signature integrations and interactive contract tracking dashboards.
- Participated actively in all Scrum ceremonies—including daily stand-ups, sprint planning, and retrospectives—to ensure alignment, maintain team velocity, and rapidly unblock development bottlenecks.

4/15-3/18

FastForward, Salem, MA

Software Engineer

- Developed the frontend user interface for Northeastern University's mobile-responsive online class registration platform, using Sass and CSS3 to translate high-fidelity UX designs into pixel-perfect pages.
- Managed site deployments on Pantheon, utilizing Git-based workflows to smoothly promote code up the CI/CD pipeline from Dev to Test and Live environments.
- Collaborated within an engineering team to build a unified student portal using a decoupled approach, integrating a Drupal-backed course catalog into a centralized WordPress frontend.
- Collaborated with an award-winning design team to build a responsive, pixel-perfect mega menu navigation system for corporate client TJX. Utilized Sass and CSS3 to implement intricate layouts from design mockups, optimized desktop and mobile navigation workflows within a highly customized WordPress site.
- Enhanced and supported medical calculator for Boston Scientific built as an iOS AngularJS App.
- Fine-tuned configuration for Solr search engine on AngularJS site.

1/14-3/15

INDEPENDENT CONSULTANT

Elyxor Rowley, MA

- Supported Android MVC application written in C# used by phlebotomists to track blood samples and locations.
- Acted as project manager for client web site development and deployment.

IndependenceIT Allentown, PA

- Supported and enhanced their commercial software "CloudWorkspace" client (written in C#) that delivers mobility and remote access to cloud-based desktop environments.
- Supported consumer-facing portal (HTML5, CSS3, javascript) the CloudWorkspace, which enabled users to VPN into their cloud-based desktop from anywhere.

1/12-1/14

WORLD WRESTLING ENTERTAINMENT, INC., Stamford, CT

Application Support Analyst

- Worked as a member of an application team that was responsible for maintaining current systems and supporting internal clients.
- Managed offshore development teams throughout the Software Development Life Cycle.
- Facilitated network administrators' understanding of production platform needs.
- Proactively monitored and addressed application issues to reduce business impact and increase system up-time.
- Developed, managed and enhanced reports based on applications including Microsoft Dynamics AX and SharePoint.
- Interacted with line-of-business teams, internal technology teams and external vendors to define, develop and document application-related business requirements, objectives, deliverables and specifications for upgrades and installations.
- Served as IT business liaison to internal departments of Finance, Marketing, Live Events, Legal Affairs, Travel and TV Broadcasting to help analyze business processes and enhance system functionality. This included facilitating coding, testing, debugging and implementing web-based and client-server applications.
- Created documentation for existing processes such as SQL Server Integration Services jobs, system upgrades and implementations.
- Built workflows for help desk ticketing system that decreased request turn-around time from days to hours.

- Managed the development of ETL jobs for WWE's 1099, JDE, Talent Payroll and Licensing/Participations (Dynamics AX) applications.

1/08-10/11

RYAN PARTNERSHIP, Wilton, CT

Senior Web Developer

- Responsible for the full development lifecycle of database-driven sites and web-based applications (C#, VB.NET and ASP.NET). Performed a wide spectrum of web-related tasks including developed business logic, programmed the back-end of sites, created the database structure, tables, triggers and stored procedures, wrote web services and made ongoing site updates. Clients included Unilever, Dewars, Playtex, Philip Morris and Boehringer Ingelheim.
- Developed and managed data transfer process that decreased time to send data to fulfillment vendor from a year to two weeks.

5/07-11/07

STORY WORLDWIDE, Norwalk, CT

Senior Software Engineer

- Co-developed several database-driven sites and implemented features including RSS feeds, blogs, email programs, MP3 downloads and Flash components. Clients included Unilever, Endless Vacations and Nestle Waters.
- Built web forms, web services and web components utilizing C#, ASP.NET and ADO.NET with DataReaders and DataSets.
- Designed, coded and debugged content management applications to support client sites.
- Worked with project managers, creative directors and client service account managers on all stages of application development from proof of concept to deployment.

5/03-5/07

VERTRUE, INC., Norwalk, CT

Senior Software Engineer

- With agile development methodologies, designed object-oriented solutions for migration of Siebel components using class diagrams, OO patterns, entity relationship diagrams and XML structure definitions.
- Migrated Siebel Call Center COM components from ASP and VB 6.0 into .NET web services and ASP.NET pages.
- Supported Siebel production environment and its VB applications as lead developer and point person.
- Configured Siebel applets, screens, views, business components and objects, and various database connections to SQL Server and wrote code (VB) to support business rules.
- Converted SQL statements within ASP and VB apps into T-SQL.
- Built email notification system based on Repeating Component Requests and Siebel Workflow Policies and Processes, reducing average campaign creation time from more than two weeks to twenty-four hours.

Software Engineer

- Developed process for External Cross-Sell Offers, enabling seamless call transfers via Siebel SmartScripts.
- Created .NET applications (with ASP.NET and C#) from data access layer and stored procedures through the UI, including a Service Request Assignment system and an MSR Call Statistic tracking device.
- Built, maintained, enhanced, tested and debugged various ASP, VB and JavaScript applications based on SQL Server, DB2 and MS Access which supported business rules, reports and help desk ticket processes for Siebel.
- Maintained 100% pass rate during audits for SOX compliance.

EDUCATION:

SIEBEL SYSTEM ESSENTIALS COURSE, Burlington, MA

NEW HORIZONS, C# Programming, Trumbull, CT

LEARNING TREE INTERNATIONAL, VB.NET, New York, NY

CLARK UNIVERSITY COMPUTER CAREER INSTITUTE, Cambridge, MA

BOSTON UNIVERSITY, B.S. Human Movement Studies (Magna cum Laude)

OTHER:

U.S. National Speed Skating Team former member

Strength-Training Coach, NASM and ACE Certified Personal Trainer

USA Cycling Certified Coach

Competitive Cyclist