

David Bry

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Software Engineer

Accomplished software engineer with 19+ years of experience delivering scalable applications across .NET, Java, and JavaScript stacks. Known for mentoring teams, automating workflows, and building clean, maintainable systems that improve business outcomes. Passionate about using technology for positive social impact and innovation.

Technical Skills

Core Skills: C#, Java, JavaScript, TypeScript, SQL, HTML5, CSS3

Frameworks & Libraries: .NET Core, ASP.NET, ASP.NET Core, Spring Boot, React, Node.js, Express

Testing & CI/CD: MSTest, JUnit, Cypress, Vitest, GitHub Actions, GitLab CI/CD, Docker

Databases: SQL Server, PostgreSQL, SQLite, Elasticsearch, Entity Framework

Other Tools: Git, Netlify Cloud, Vercel, GitHub Copilot, Claude Code, Bash

Professional Experience

Curriculum Developer | [Tech Elevator](#) | Remote

Jan 2020 - present

- Led a cross-functional **Agile** team to build new **React** curriculum, replacing outdated single-page application content and enhanced existing web material for a smoother transition. By introducing semantic **HTML**, **ES6/JSX** syntax, and a modern framework, graduate job placement rates **increased by 20%** with higher starting salaries.
- Designed module capstone project based on a popular mobile payment service for students to demonstrate knowledge in client-server **REST API** applications in **ASP.NET** and **Spring Boot** and persistent data storage using **SQL Server** and **PostgreSQL**. Project resulted in **increased** module graduation rate and student confidence in module content.
- Established curriculum versioning strategy and automated **CI/CD** process, bundling learning material into LMS and cohort repositories. Process handles consumer and enterprise product offerings and enables bootcamp to rapidly iterate and support **over 500 concurrent students**.
- Developed automated testing and scoring process using custom **Docker** images to test student labs with **MSTest**, **JUnit**, **Cypress**, **Mocha**, and **Vitest** unit tests, enabling instructors to have more time for individual student engagement.
- Rolled out custom **serverless functions** with **Express** that act as read-only **RESTful APIs**. Examples led to better student understanding of real-world APIs by using non-local servers for lab exercises.

Independent Full-Stack Developer | [Bry's Marine](#) | Remote

Oct 2019 - Dec 2019

- Redesigned the company website using a lightweight CMS to improve **SEO**, boost **Lighthouse** scores, and add accessibility, resulting in a **15% increase in sales** year over year.
- Site: brysmarine.com

Lead Software Engineer / Software Engineer | [Traffic Safety Store](#) | Hybrid / Philadelphia, PA

Jul 2016 - Sep 2019

- Led an **Agile** team in launching new e-commerce admin site using **ASP.NET**, **Razor**, and **React**, achieving goals of unified logins, access to online & phone orders, and quickly toggling on-sale/out-of-stock for products on all storefronts.
- Delivered interactive sign designer using **JavaScript** and **Cloudinary APIs**. Generated more than **\$36,000 of additional ecommerce sales** and **higher conversion rates** compared to previous version in A/B tests.
- Deployed new responsive web design interface for signs with legend search using **React**, **JavaScript**, and **ASP.NET**, boosting sales of high-volume signs and enabling company to sell more than **200 new legends**.
- Enhanced product category layout with live search & filtering capabilities, and better **SEO** with **JavaScript**, **Elasticsearch**, and **ASP.NET**. Increased conversion rates by more than **30%** over previous versions in A/B tests.

IT Applications Developer | [Dechert LLP](#) | Philadelphia, PA

Jan 2011 - Jul 2016

- Architected and developed ethical screen management system in **ASP.NET** to apply access lists to secure **iManage** digital documents and workspaces. Saved application support and general counsel teams **more than 20 hours/week**.
- Implemented dynamic internal skills & experience tracking application from product mockups using **ASP.NET**, **CSS**, and **JavaScript**. Saved law firm over **\$25,000** annually by leveraging internal resources over external resources.
- Created custom interfaces using Okta & Box **REST APIs** to enable more customer service functions to be done by the Help Desk and IT Operations groups. Resulted in **less user frustration and downtime**.

Associate Software Engineer | [Coventry First](#) | Fort Washington, PA

Feb 2010 – Jan 2011

- Improved key systems of Contract Analysis department with enhancements to **ASP.NET** application and **SQL** databases enabling more efficient data capture. Analyst productivity increased resulting in 20% reduction in daily backlog.
- Designed new system for annual maintenance review workflow in **ASP.NET** with new approval request form and ability to track approval history. Decreased complexity of process, made less error prone, and less frustrating to the users.

Applications Developer | [Capmark Financial Group, Inc](#) | Horsham, PA

Jan 2007 – Feb 2010

- Upgraded major finance applications to **ASP.NET 2.0** and **SQL Server 2008**, implementing new features from business requirements and integrating with iManage document management systems.
- Ported mission-critical data transfer process to **VB.NET** Windows Service, improving reliability and reducing manual reruns and troubleshooting by 80%.

.NET Developer | [School of Tourism & Hospitality Mgmt, Temple University](#) | Philadelphia, PA

Jun 2006 – Jan 2007

- Created **ASP.NET** web applications demonstrating and sharing knowledge for hospitality management professionals, leading to better information sharing among remote users.

Projects

BryTech Portfolio | [brytech.dev](#)

- Developed an **AI-assisted** coding portfolio project demonstrating modern web technologies. Built with **Next.js** and **Tailwind CSS**, featuring dark mode and animations. Learned about **Vercel** platform and its **CI/CD** tools.

Pick For Me TV | [pickforme.tv](#)

- Personal project to create a website that picks a random episode from a user-defined list of TV shows. Utilized **TMDB (The Movie Database)** REST API, **Vue.js** front end, and **Express** back end.

Education

Temple University | [College of Science & Technology](#) | Philadelphia, PA

- Bachelor of Science, Major: Information Science & Technology, Minor: Business Administration
- Graduated *magna cum laude*

Additional Information

Eagle Scout Award | [Boy Scouts of America](#)