

David Bry

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Senior Software Engineer

Senior full-stack engineer and team mentor delivering measurable impact—30% conversion lifts, \$50k+ in new revenue, \$25k in savings, and over 20 hours/week in operational savings. Proven leader in architecting mission-critical systems, mentoring engineers, and guiding cross-functional teams to deliver scalable solutions. Deep expertise in C#, .NET/ASP.NET, React, RESTful API design, automated testing, and high-performance, SEO-optimized applications that produce measurable business results.

Technical Skills

Languages: 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

Software Engineer & Curriculum Developer | [Tech Elevator](#) | Remote Jan 2020 - present

- Orchestrated cross-functional redevelopment of **SPA** curriculum rewriting it with **React** and **ES6/JSX** syntax, improving employer alignment and contributing to measurable **gains in graduate placement** and salary trends.
- Led design and implementation of a mobile-payment capstone project using **ASP.NET**, **Spring Boot**, **SQL Server**, and **PostgreSQL**, improving module completion rates and adopted across **20+ cohort cycles** and **2000+ learners**.
- Established curriculum versioning strategy and **CI/CD** automation that cut deployment time **from 72 hours to 3 hours** while **supporting 500+ concurrent learners**.
- Developed **automated testing** and scoring pipelines using custom **Docker** images and **MSTest**, **JUnit**, **Cypress**, **Mocha**, and **Vitest**, reducing instructor grading workload and **freeing up several hours each week** for direct student support.
- Rolled out serverless **Express**-based read-only **APIs** for lab exercises, giving students hands-on experience with real-world **REST endpoints** and **improving comprehension** of distributed systems.

Independent Full-Stack Developer | [Bry's Marine](#) | Remote Oct 2019 - Dec 2019

- Rebuilt the company website with an accessible, **SEO-optimized CMS**, boosting **Lighthouse performance** and contributing to a **15% increase** in year-over-year sales.
- Site: brysmarine.com

Lead Software Engineer / Software Engineer | [Traffic Safety Store](#) | Hybrid / Philadelphia, PA Jul 2016 - Sep 2019

- Led an Agile team to launch a new e-commerce admin platform using **ASP.NET**, **Razor**, and **React**, introducing new features including **integrated online and phone orders** and **improving product management efficiency**.
- Delivered an interactive sign designer using **JavaScript** and **Cloudinary APIs**, generating **\$50k+ in new revenue** and **higher conversion rates** in A/B testing.
- Built a new responsive interface for high-volume signs using **React**, **JavaScript**, and **ASP.NET**, enabling sales of **200+ new legends** and **increasing customer engagement**.
- Improved product category performance with live search, filtering, and enhanced **SEO** using **JavaScript**, **Elasticsearch**, and **ASP.NET**, driving a **30% conversion increase** in A/B tests.

IT Applications Developer | [Dechert LLP](#) | Philadelphia, PA Jan 2011 - Jul 2016

- Architected and developed an ethical screen management system in **ASP.NET** to control access to **iManage** documents and workspaces, **saving legal and IT teams 20+ hours per week**.
- Built a skills and experience tracking system using **ASP.NET**, **JavaScript**, and **CSS**, enabling access to internal resources and **saving the firm \$25k annually**.
- Integrated Okta and Box **REST APIs** to expand Help Desk and IT Operations capabilities, **reducing user downtime** and **improving service responsiveness**.

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

Feb 2010 – Jan 2011

- Enhanced core **ASP.NET** and **SQL** applications for the Contract Analysis department, **increasing analyst throughput** and **reducing daily backlog by 20%**.
- Designed an annual maintenance workflow system in **ASP.NET** and **SQL Server** Reporting Services with approval tracking, **reducing process errors** and **simplifying cross-team coordination**.

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 business features** and **tighter integration** with iManage systems.
- Migrated a mission-critical data transfer process to a **VB.NET** Windows Service, **improving reliability** and **reducing manual reruns by 80%**.

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

Jun 2006 – Jan 2007

- Developed **ASP.NET** web applications that **improved knowledge sharing** and **remote collaboration** for hospitality management professionals.

Projects

BryTech Portfolio | [brytech.dev](#)

- **AI-assisted** portfolio built with **Next.js** and **Tailwind CSS**, featuring dark mode, animations, and **Vercel CI/CD** workflows.

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

- Personal project that selects a random episode from a user-defined TV show list using **The Movie Database (TMDB) API**, **Vue.js** front end, and an **Express** backend.

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](#)