

# Dave Bry

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Senior full-stack software engineer with nearly two decades of experience in C#, .NET, Java, SQL, JavaScript, and React. My applications have supported over 10,000 users and driven \$300k+ in new sales and cost savings. I've built automation that saved hundreds of hours and leveraged AI to accelerate project delivery. I've led and mentored engineers through complex projects and career development. Love to learn new languages and frameworks and pick them up quickly.

## Technical Skills

**Languages:** C#, Java, JavaScript, TypeScript, SQL, HTML5, CSS3

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

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

**Databases:** SQL Server, PostgreSQL, SQLite, Elasticsearch, Entity Framework, ADO.NET, JDBC

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

## Work Experience

**Software Engineer & Curriculum Developer** | [Tech Elevator](#) | Remote Jan 2020 – Dec 2025

- Architected API and database capstone project modeled after Venmo, in dual tech stacks (C#/ASP.NET/SQL Server and Java/Spring/PostgreSQL), driving improved engagement and module completion rates for 2,000+ learners.
- Automated curriculum deployment through CI/CD pipelines and versioning system, reducing release time from 3 days to 3 hours and enabling rapid iteration for 800+ concurrent students across multiple programs and start dates.
- Built AI-powered automation pipeline to generate and validate curriculum questions, cutting an 8-month project to under 3 months while finding and fixing errors in existing curriculum materials.
- Engineered automated testing and scoring pipelines using custom Docker images and multiple testing frameworks, decreasing per-instructor grading workload by 15+ hours per week and allowing more direct student support.
- Implemented scalable Express-based APIs as teaching resources for lab exercises, giving learners hands-on experience consuming REST endpoints and working with distributed systems.
- Developed React curriculum modules to replace legacy Vue content, teaching modern SPA development including component-based architecture, state management, and RESTful API integration.
- Mentored junior developers through training, pair programming, and constructive code reviews, helping them build confidence and level up their skills.

**Independent Developer** | [Bry's Marine](#) | Remote | [brysmarine.com](https://brysmarine.com) Oct 2019 – Dec 2019

- Rebuilt website with lightweight CMS, achieving 90+ Lighthouse scores in performance, best practices, and SEO.

**Lead Software Engineer / Software Engineer** | [Traffic Safety Store](#) | Hybrid / Philadelphia, PA July 2016 – Sept 2019

- Implemented new interface for road construction signs using ASP.NET and React, expanding the product catalog by 200+ new signs and generating \$150k+ in additional annual revenue.
- Built interactive custom sign builder with JavaScript and Cloudinary API integration, driving \$60k+ in new revenue within six months.
- Developed live search and filtering for safety vest products using JavaScript and Elasticsearch, increasing average order value by \$500+ on safety vest purchases.
- Led 3-person team to launch admin site with ASP.NET and React, unifying phone and online orders across 4 storefronts and enabling bulk product management for inventory, pricing, and promotions.

**IT Applications Developer** | [Dechert LLP](#) | Philadelphia, PA Jan 2011 – July 2016

- Architected and developed ASP.NET system to automate conflict-of-interest document restrictions in iManage document management platform, saving legal and IT teams 20+ hours per week.
- Built searchable skills database using ASP.NET and JavaScript, enabling legal teams to find internal translators and subject-matter experts and saving \$25k+ annually in external consultant fees.
- Integrated Okta and Box REST APIs to automate application provisioning and external document sharing, reducing manual workload for Help Desk and IT Operations teams.

**Associate Software Engineer** | Coventry First | Fort Washington, PA

Feb 2010 – Jan 2011

- Enhanced ASP.NET and SQL applications for Contract Analysis department by expanding data capture and optimizing keyboard navigation, helping analysts process contracts more quickly and shrinking daily backlog by 20%.

**Applications Developer** | Capmark Financial Group, Inc | Horsham, PA

Jan 2007 – Feb 2010

- Rebuilt mission-critical data transfer process from legacy Perl script to a .NET Windows Service, improving reliability and reducing manual reruns by 80%.

## Projects

**Pick For Me TV** | [pickforme.tv](https://pickforme.tv) | [github.com/dbry23/pickforme.tv](https://github.com/dbry23/pickforme.tv)

2025 – Present

- Created random TV episode picker using TypeScript, Next.js, and TMDB API integration to recreate the experience of stumbling onto your favorite shows while channel surfing.

**BryTech Portfolio** | [brytech.dev](https://brytech.dev) | [github.com/dbry23/brytech.dev](https://github.com/dbry23/brytech.dev)

2025 – Present

- Built personal portfolio site using Next.js, TypeScript, Tailwind CSS, and Vercel, learning AI-assisted development.

## 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