

David Bry

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Senior Software Engineer

Accomplished Senior Software Engineer with a deep passion for coding and a strong commitment to excellence. Known for consistently delivering high-quality results and turning challenges into opportunities. Adaptable, dependable, and driven to go above and beyond. Brings a lifelong foundation of leadership, from Boy Scouts to early management roles in fast-paced environments. Leads and mentors coworkers and other engineers through collaboration, pairing, and code reviews. Seeking a role at a "karma-positive" organization—one making a meaningful difference in the world.

Technical Proficiencies

Languages: C#, Java, SQL, HTML, CSS, JavaScript, Bash, Markdown, VB, PHP

Frameworks / Libraries: .NET, ASP.NET, Spring Boot, React, Vue.js, Express.js, MSTest, JUnit, Vitest, Cypress, LINQ, Entity

Database Platforms: Microsoft SQL Server, PostgreSQL, SQLite

Software & Tools: Git, GitHub, GitLab, Visual Studio, VS Code, IntelliJ, Docker, Netlify, npm, iManage, GitHub Copilot, Cursor

Select Career Accomplishments

- **Leadership & Collaboration:** Led a cross-functional team to build a new React curriculum, replacing outdated single-page application content and enhancing existing JavaScript material for a smoother transition. By introducing ES6 and a more modern framework, student job placement rates increased by 20% with higher starting salaries.
- **Architecture & DevOps:** Established curriculum versioning strategy and automated deployment process, bundling learning material from over 30 Git repositories into LMS and cohort repositories. Process handles consumer and enterprise product offerings and enables bootcamp to rapidly iterate and support over 500 concurrent students.
- **Product Design:** Delivered interactive sign designer using JavaScript and Cloudinary APIs. Generated more than \$30,000 of additional e-commerce sales and higher conversion rates compared to previous version in A/B tests.

Career Experience

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

Jan 2020 - present

- Designed module capstone project for students to demonstrate knowledge in client-server REST API applications and SQL databases. Project resulted in increased module graduation rate and student confidence in module content.
- Built 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.js acting as read-only RESTful APIs. Examples led to better student understanding of real-world APIs by using non-local servers for lab exercises. teapi.netlify.app

Web Developer | [Bry's Marine](#) | Remote

Oct 2019 - Dec 2019

- Redesigned company website with lightweight CMS to improve SEO and user experience, resulting in 15% more sales over the previous year. www.brysmarine.com

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

Jul 2016 - Sep 2019

- Co-led team of four 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.
- Deployed new interface for roll-up 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. [TSS - Roll Up Signs](#)
- Enhanced product category layout with live search and filtering capabilities with JavaScript, Elasticsearch, and ASP.NET. Increased conversion rates by more than 30% over previous versions in A/B tests. [TSS - Safety Vests](#)

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

Jan 2011 - Jul 2016

- Architected and developed ethical screen management system, automatically applying 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 using ASP.NET, CSS, and Photoshop mockups. Saved law firm over \$25,000 annually by leveraging internal resources over external resources.

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.

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.

.NET Developer | School of Tourism & Hospitality Management, 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

Pick For Me TV  [pickforme.tv](https://github.com/pickforme) 2022 - 2023

- Developed website to pick a random episode from a user-defined list of TV shows. Utilized TMDB (The Movie Database) REST API, Vue.js front end, and Express.js back end.

DD-WRT Mobile 2013 - 2016

- Wrote iOS app in Objective-C for configuring routers running third-party firmware DD-WRT.

Bry's Marine 2010 - 2014

- Implemented custom inventory program and interface for transmitting store inventory to manufacturer database searchable by all North American marine dealers. Part sales increased 10%, helping clear out older and obsolete parts.

Education

Temple University | College of Science & Technology

- Bachelor of Science, Information Science & Technology / Business Administration, magna cum laude.

High Technology High School | Web Development & Programming Track

- Named a "Star School" by NJ Department of Education, recipient of National Blue-Ribbon Award, and consistently ranked within the top 20 high schools of New Jersey & United States by multiple organizations.

Volunteer Work

International Student Volunteers - Australia

Eagle Scout Award - Boy Scouts of America