

David Bry

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Senior Software Engineer

Accomplished software engineer with strong expertise in software development and a commitment to excellence. Proven track record of delivering high-quality software solutions. Adaptable, dependable, and rapidly acquires proficiency in new languages and technology stacks. Leads and mentors engineering teams through collaboration, pair programming, and code reviews. Seeking a challenging software engineering position at an organization dedicated to positive social impact and innovation.

Technical Proficiencies

Languages: C#, Java, SQL, HTML 5, CSS 3, JavaScript, TypeScript, Bash

Frameworks & Libraries: .NET Core, ASP.NET, Spring Boot, React, Express, MSTest, JUnit, Vitest, Cypress, Entity Framework

Database Platforms: Microsoft SQL Server, PostgreSQL, SQLite

Software & Tools: Git, GitHub Actions, GitLab CI/CD, Vite, Docker, Netlify, Vercel, NPM, iManage, GitHub Copilot, Claude, Cursor

Career Experience

Curriculum Developer | [Tech Elevator / Stride](#) | 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- Led a cross-functional Agile team to build new React curriculum, replacing outdated single-page application content and enhanced existing web material for a smoother transition.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.
- Established curriculum versioning strategy and automated CI/CD 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.
- 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.

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 \$30,000 of additional e-commerce 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, 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 from product mockups using ASP.NET, CSS, and JavaScript. Saved law firm over \$25,000 annually by leveraging internal resources over external resources.

Side Projects

BryTech Portfolio | www.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

- 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 back end.

Education

Temple University | College of Science & Technology

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

Additional Information

Eagle Scout Award | Boy Scouts of America