

# Daniel J Billingsley

2718 N Barley Sheaf Road  
Coatesville, PA 19320  
(610) 470-7122  
dan@danbillingsley.com  
linkedin.com/in/dan-billingsley-959a4bb

## SOFTWARE DEVELOPMENT MANAGER | CLINICAL DATA ANALYST | CHEMICAL ENGINEER

Versatile Software Developer with over 20 years of development and management experience spanning the Pharmaceutical, Chemical, and Legal industries. Proficient in a wide range of development stacks and cloud technologies, with a proven ability to manage large-scale projects and cross-functional teams. Able to work independently in either remote locations or in-office environments as needed by the company.

### TECHNICAL SKILLS

<b>Development Frameworks:</b>	.NET, React JS, Typescript, Angular, Vue.Js, RxJs, Xamarin, Visual Studio, VSCode
<b>Programming Languages:</b>	C#, VB, C++, JavaScript, SQL
<b>Cloud &amp; DevOps:</b>	Azure Portal, Azure AI Studio, Kudu, CI/CD pipelines, GIT
<b>Data Management:</b>	SQL Server, Oracle, MongoDB, Compass, Atlas, Business Intelligence
<b>Analytics:</b>	AI Development, Machine Learning, Prompt Engineering
<b>Mobile Development:</b>	.NET MAUI, Xamarin, Android & iOS
<b>Project Management:</b>	Agile, Scrum, Jira, Confluence

### PROFESSIONAL EXPERIENCE

#### Lead React Developer

(Jan 2021 – Jan 2025)

##### *Trinity Life Sciences / Incyte Pharmaceuticals*

- Led the development and management of Incyte Pharmaceutical's Master Data Management (MDM) and Roster Management applications as well as Corium's Global Search Portal.
- Collaborated with clients to define product strategies, requirements, and delivery timelines.
- Delivered full-stack development using .NET, C#, Swagger, React JS, Azure Web Jobs and RESTful WebAPI
- Managed Azure hosting and CI/CD pipeline implementation, including performance monitoring and troubleshooting.
- Designed SQL Server architectures and managed external data integrations from iQvia, OneKey, and Melissa data sources.
- Worked closely with both Incyte and Trinity IT departments to manage certificates and 3rd party subscriptions.
- Helped to implement Agile methodologies in a cross-functional team and multiple simultaneous projects resulting in a 30% increase in on-time deliveries.

#### Senior C# Developer

(Sep 2020 – Dec 2021)

##### *EMR Recycling*

- Senior C# Developer working on scale processing for a metal recycling facility. Responsible for the application that interfaced with multiple scales and databases to provide on-demand pricing and ticketing for waste haulers and vendors.
- Delivered full-stack development using .NET, C#, Swagger, React JS, Azure Web Jobs and RESTful WebAPI

#### Senior C# Developer

(Sep 2019 – Mar 2020)

##### *Reliance insurance*

- Developed multiple service bus (ESB) prototypes to implement messaging, provide transaction processing and decouple applications.

## Lead Clinical eCOA Developer

(Sep 2018 – Sep 2019)

### *Y-Prime, Inc.*

- Managed a \$20M portfolio of new accounts with up to 3,000 provisioned devices each.
- Led a team of 8 developers across three locations to build Android and iOS eCOA applications.
- Used C#, .Net MVC, Xamarin Native & Xamarin Forms, SQLite, and SQL Server.
- Cloned, developed and deployed a .NET Data Portal for each client to sync device data.
- Developed Wake Notifications for drug dosing and eCOA assessment notifications.
- Integrated lot devices such as spirometers and Bluetooth heartrate monitors.
- Collaborated with other managers to develop and document formal SDLC procedures for eCOA development.

## Micro-Controller Engineer

(Apr 2018 – Sep 2018)

### *Halo Labs*

- Developed control systems for Horizon (now Aura), an optical nanoparticle detection system, using C++, C#, MongoDB and OpenCV.
- Designed machine interface software, integrating Arduino Microcontroller API and Arcus Step Motor APIs.
- Engineered camera objective focusing and image subtraction algorithms.
- Contributed to the development of hydrophobic inks and screen-printed plates for sample wells.

## Senior Angular Developer

(Sep 2013 – Apr 2018)

### *Morgan, Lewis & Bockius LLC*

- Directed the development and deployment of On-Line Document Inquiry (ODIN), a document discovery system.
- Worked with UI/UX team to implement reactive and responsive web interfaces.
- Developed solutions and architecture using .NET, C#, Typescript, Angular JS, Angular, ngRx, Oracle, Business Intelligence tools and Tableaux.
- Engineered interfaces to third-party discovery systems including Relativity and Concordance.
- Wrote RESTful APIs using Swagger, Postman and Web API

## Clinical Project Manager

(Mar 2012 – Mar 2013)

### *Endo Pharmaceuticals*

- Managed both outside vendors and internal functional teams consisting of marketing services, systems engineers, compliance officers and trainers.
- Generated system requirements, wrote FDA GxP validation and Risk management documentation, presented detailed project summaries to senior management and traveled to the business units to oversee implementation.
- Managed development and publishing for 8 branded web sites. Used Visual Studio and Team Foundation Server to test, publish and archive sites from external development teams to staging and production servers.

## Senior Clinical C# Developer

(Mar 2001 – Mar 2012)

### *Thermo Fisher Scientific*

- Spearheaded the development of Enterprise Pharmacokinetics (EP), an enterprise pre-clinical PK/PD analysis tool.
- Partnered with PK/PD scientists to design clinical trial data analysis protocols and pharmacokinetic data models including AUC, statistical bias and Chi-Square algorithms.
- Migrated legacy Visual Basic systems to .NET frameworks.
- Designed and maintained Oracle databases and SAS analytic system.
- Developed Report Designer for FDA reporting, charting and CDSC output using Crystal Reports Server and Microsoft Office.

## **MILITARY SERVICE & EDUCATION**

### **US NAVY (1979 – 1984)**

*OCEANOGRAPHER*

Honorable Discharge (E5)

Awarded U.S Navy Letter of Achievement and a Meritorious Unit Commendation

### **B.S. CHEMICAL ENGINEERING (1991)**

*UNIVERSITY OF RHODE ISLAND*