Daniel J Billingsley

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SENIOR SOFTWARE ENGINEER | SOFTWARE SYSTEMS ARCHITECT | CHEMICAL ENGINEER

Versatile Software Developer and decorated veteran 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

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

PROFESSIONAL EXPERIENCE

Lead Software 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, and Azure Web Jobs
- 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.
- Used MongoDB, Compass and Atlas to test MongoDB Azure implementation for telemetry data in a C# microservice.
- 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.

Lead Mobile 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.
- 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 Iot devices such as spirometers and Bluetooth heartrate monitors.
- Enhanced team efficiency through strategic resource allocation and robust onboarding programs.
- Collaborated with other managers to develop and document formal SDLC procedures for eCOA development.

R&D Engineer
(Apr 2018 – Sep 2018)
Halo Labs
- Developed software for Horizon, an optical nanoparticle detection system, using C++, C#, MongoDB and OpenCV.
- Designed machine interface software, integrating Arduino Microcontroller API and Arcus Step Motor API.
- Engineered camera objective focusing and image subtraction algorithms.

Senior Software Developer
(Sep 2013 – Apr 2018)
Morgan, Lewis & Bockius LLC
- Developed solutions and architecture using .NET, C#, Angular JS, Oracle and Business Intelligence.
- Directed the development and deployment of On-Line Document Inquiry (ODIN), a document discovery system processing 1.6M documents daily with 99.99% uptime.
- Achieved a 15% decrease in post-release bug reports by implementing comprehensive automated unit testing.
- Engineered interfaces to third-party discovery systems including Relativity and Concordance.

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.

Software Development Manager
(Mar 2001 – Mar 2012)
Thermo Fisher Scientific
- Spearheaded the development of Enterprise Pharmacokinetics (EP), a pre-clinical PK/PD analysis tool.
- Partnered with PK/PD scientists to design clinical trial data analysis protocols, including AUC and Chi-Square statistical analysis.
- Migrated legacy Visual Basic systems to .NET frameworks and managed Oracle DBAs and SAS analytics.
- Developed Report Designer for FDA reporting, charting and CDSC output using Crystal Reports Server and Microsoft Office which reduced FDA reporting times by 40%.

OTHER EXPERIENCE

Senior C# Developer	*EMR Recycling*
Regulatory Consultant	*American Compliance Systems*
Chemical Process Engineer	*Rollins Environmental Services*
Analytical Chemist	*Delaware Container Corporation*

MILITARY SERVICE & EDUCATION

US NAVY (1979 – 1984)
OCEANOGRAPHER
Honorable Discharge (E5)
Awarded U.S Navy Letter of Achievement and Meritorious Unit Commendation

B.S. CHEMICAL ENGINEERING (1991)
UNIVERSITY OF RHODE ISLAND