

Jesse Phillips

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Senior Software Engineer Profile

Tech-savvy professional with extensive experience in analyzing and modifying software as well as designing/testing end-user applications with aim of meeting user requirements via utilization of software programming languages.

Proven track record of developing and testing software/applications, evaluating system performance, and applying Agile methodologies. Stellar success in implementation of best practices across divisions during software development lifecycle. Well-versed in applying broad knowledge of product/service and infrastructure capabilities and environment to identify new growth areas, new technology, and emerging product/service opportunities. Adept at spearheading and executing IT/software development projects from conception to completion within time and budgetary constraints. Expert at providing leadership and direction for all development teams to ensure technical excellence, cross-functional collaboration, and great customer experiences.

Areas of Expertise

Software Development Operations | Technical Project Management | Strategic Planning & Execution | System Maintenance | Budgeting & Forecasting | Software & Technical Support | Revenue & Profit Optimization | Team Building & Leadership | Customer Inquiries | Technical Testing & Troubleshooting | Training & Development | Engineering Management | Agile Methodology | Cloud Implementation | Healthcare Integrations | Application Programming Interfaces (API's) | Electronic Data Interchange (EDI) | Health Level 7 (HL7) | Continuous Integration / Continuous Delivery

Technical Proficiencies

Programming Language & Tools: C# | .NET | C/C++ | Python | PHP | T-SQL | Visual Studio | SSMS | Microservices | .NET Web API | .NET Core 8.0 | .NET Framework 4.x | Blazor | Azure

Database & Computer Programs: PostgreSQL | SSRS | Microsoft SQL Server | SSIS

Hardware | Software: Microsoft Word | Microsoft Excel | Visio

Career Experience

Prominence Health, Reno, NV

12/2023 – 10/2024

Manager of Application Development | Consultant

Building Software Development Lifecycle, Coding Standards, and platform upgrade processes. Standing up new implementations of Electronic Data Interchange (EDI) systems for Eligibility, Claim Status Inquiry, Referral Authorization, Enrollment, Remittance, and Claim. Working to normalize data into Third Normal Form (3NF) to have more accurate and consistent reports.

- Converted Claim EDI process from one clearinghouse to another in two weeks utilizing EdiFabric within the .NET Core.
- Connected to external websites to grab data that was previously being processed manually with .NET Core processors.

- Launched the building of a Company Website in Blazor to give employees the ability to search for data from all our sources in one location. Initial searches save over five minutes a phone call per each Customer Support Representative.
- Built a brand-new EDI 837P, 837I, and 837D processor to remove manual operations utilizing .NET Core with the EdiFabric Library.
- Ran team for moving to a new Care Management solution.
- Started the Blazor website project and kicked completed the first module.
- Utilized C# WebAPI to handle EDI Transformations that could not be handled by the purchased integration software.
- Built SDLC standards for the team.

Phillips Software Development LLC, Reno, NV
CEO | Software & Database Developer

10/2022 – 01/2024

Conduct comprehensive code reviews to ensure adherence to best practices and optimize performance. Offer valuable insights and expertise in managing HL7 (Health Level 7) data exchange standards. Provide consultation on efficient and accurate handling of Electronic Data Interchange (EDI) transactions. Identify and rectify issues in database structures to increase data integrity and system performance.

- Maximized business performance by assisting in database design, optimization, and troubleshooting.
- Ensured seamless data extraction, transformation, and loading by advising on ETL processes.
- Created a .NET Core Web API for HL7 2.5 processing.
- Built a .NET Core Web API for HL7 FHIR.
- Developed a .NET Core Web API for EDI processing, focused on: 837P, 837I, 835, 270, 271, 277ACK.

Geriatric Specialty Care of Nevada, Reno, NV

05/2011 – 01/2023

IT Manager | Software Engineer | Director of Healthcare Information | VP of Operations and Technology

Developed internal applications to streamline business processes and improve operational efficiency. Managed and optimized database systems for seamless operations. Designed and implemented custom healthcare integrations to enable efficient data exchange.

- Delivered high-quality solutions that met business objectives by utilizing iterative methodologies.
- Enhanced staff training to optimize patient care outcomes.
- Introduced Single Sign-On functionality through Entra ID (formerly Azure Active Directory) to enhance user experience.
- Patient Hierarchical Condition Category Risk Score.
- Misdiagnosed Diabetes, Client Defined.
- Misdiagnosed Anti-Coagulation, Client Defined.
- Patient's being seen too often, ACO Client Defined.
- .NET Core service to call the AdvancedMD API to keep patients records updated and create Chronic Care Management bills.
- Integration project with HealthIE Nevada, Nevada's only Health Information Exchange.
- .NET Framework 4.x importer handling Access Database export and CCDa processor to generate visit notes and get notes to the proper people.
- .NET Framework 4.x and .NET Core PDF processor to email visit notes to staff.

- HL7 V2.x, V3, and FHIR system integrating multiple practices with each other and State HIE.
- Report system for Providers.

Accelerated Care Plus, Reno, NV
Software Engineer

07/2008 – 05/2011

Directed software system validation and testing methods. Liaised closely with clients and cross-functional departments to communicate project statuses and proposals. Analyzed data to effectively coordinate installation of new systems or modification of existing systems.

- Designed and implemented internal software solutions to optimize company operations.
- Improved database performance and data retrieval processes by implementing PostgreSQL query optimization techniques.
- Increased user experience by revamping and optimizing outdated applications.
- Integration with external shopping cart.
- New applications for other employees.

Education

M.S., Computer Science & Engineering
University of Nevada Reno, Reno, NV

B.S., Computer Science
University of Nevada Reno, Reno, NV