

Binh H. Nguyen

If it's worth doing, it's worth doing well.

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SUMMARY

Seasoned software architect and technical lead with more than thirty years of leadership, communication, and hands-on, full-stack programming experience. Adept at gathering requirements and envisioning, designing, and implementing best-fit solutions. Committed to continually researching and learning new technologies to deliver cutting-edge information technology that gives clients a competitive advantage.

EXPERIENCE

ActionBin Information Technology Solutions - Nashville, TN Founder/CEO/Software Architect

December 2023 - PRESENT

Founder, CEO, and Software Architect at ActionBin Information Technology Solutions, an information technology company focused on building innovative, scalable, reliable, user-friendly, and best-fit solutions.

- Conceptualized SecureShareHub.com, an efficient, responsive, shareable, real-time life data management web application.
- Developed the SecureShareHub.com front-end with Quasar, Vue.js, TypeScript, and SignalR, ensuring a fast and intuitive user experience.
- Architected the SecureShareHub.com C# .NET back-end REST APIs to efficiently and securely manage data flow to and from the PostgreSQL database, ensuring reliable and robust performance.
- Continually adding functionality and optimizing site performance to deliver a better user experience.
- Built a Python application to scrape and import subject matter content.

Health Here - Nashville, TN VP of Integration

SEPTEMBER 2016 - NOVEMBER 2023

Software architect of an integration system that reliably and efficiently interfaced clients' EMR/PM systems with Health Here's platforms.

- The integration system full-stack, residing on AWS, consisted of MySQL, .NET, Python, and Vue.js.
- The integration system supported interfaces with Allscripts,

PROGRAMMING LANGUAGES/DATA FORMATS

[C#, Python, TypeScript, FHIR, HL7, JavaScript, JSON, Razor, LINQ, VB.NET, HTML, CSS, XML, T-SQL]

DATABASES

[MS SQL, MySQL, PostgreSQL, ArangoDB, MongoDB, RavenDB]

DESIGN/ARCHITECTURAL PATTERNS

[MVC, MVVM, OOP, SOA, Microservices, Event Driven]

DEVELOPMENT TOOLS

[Visual Studio Code, Claude, Ollama, qwen3-coder, Docker, DBeaver, Fork, GitHub Copilot, NPM, Nuget, Postman, ChatGPT, Slack, Zoom, Visual Studio, Yarn]

Athena, Epic, Greenway, and NextGen EMR/PM systems.

- Implemented a scalable integration system designed to handle complex scenarios, including integration and synchronization of insurance, clinical, and payment/accounts receivable data.
- Worked closely with clients to ensure 100% up-time.
- Provide guidance/mentorship to junior developers.

Emids (Change Healthcare) - Donelson, TN *Technical Lead*

SEPTEMBER 2014 - SEPTEMBER 2016

Senior software developer who contributed to a team at Change Healthcare, updating and optimizing internal applications. Technical lead in building Emid's team of developers.

- Contributed to development of Change Healthcare's payment cycle management system. The full-stack consisted of Bootstrap, jQuery, Kendo UI, Knockout, ASP.NET MVC, Web API, WCF, SignalR, and Microsoft SQL.
- Contributed to building Emids' team of developers by interviewing candidates and providing feedback on hiring decisions.
- Installed, configured, built proof of concepts, reviewed, and recommended enterprise interface engines (i.e., Cloverleaf, Iguana, Corepoint, and Mirth) for HL7 communication requirements.
- Built user interface for user administration screens.
- Built an IP security proof of concept supporting the CIDR protocol.

Transnetyx - Cordova, TN *Software Architect/Technical Lead*

JUNE 2011 - AUGUST 2014

Software architect and technical lead of a cutting-edge colony management web application (www.Labfinitly.com).

- Designed and developed a colony management web application from the ground up. The full-stack consisted of Bootstrap, JSON, jQuery, Kendo UI, Handsontable, ASP.NET MVC, WCF, MS SQL, RavenDB, and MySQL.
- Developed numerous WCF services to interface with components connecting to the database.
- Constantly researching and learning new technology to enhance site performance and ease of use. Continually thinking of enhancements and new functionality that only the Labfinitly Colony Management System provides.
- Established team projects on Visual Studio Online to support a worldwide development team. Technical lead for an international team of developers.

Ballard Spahr - Philadelphia, PA *Software Architect/Technical Lead*

JANUARY 2006 - AUGUST 2010

Software architect and technical lead of the firm's largest intranet application

SERVERS/CLOUD SERVICES

[AWS, Cloudflare, Azure, BitBucket, Confluence, GIT, GitLab, Jira, Slack]

FRAMEWORKS

[.NET, Entity Framework, REST API, Quasar, Vue.js, Node.js, jQuery, AngularJS, Knockout, Twitter Bootstrap, Kendo UI, Semantic UI, SignalR, Socket.IO]

SOFTWARE METHODOLOGIES

[Agile, Scrum, TDD]

HEALTHCARE INTEGRATION

[NextGen, Athena, Epic, Allscripts, Greenway]

for potential clients and matter data intake, BizIntake.

- The BizIntake stack consisted of ASP.NET and Microsoft SQL.
- Implemented an application that drastically streamlined the communication of mission-critical data, eliminating the need for paper forms, faxes, phones, and numerous work hours.
- Continuously collecting requirements and implementing additions/enhancements to the client intake intranet application to support additional departmental functions.
- Implemented a software change management system to efficiently handle incoming requests and store project/task-related communication documents and correspondences. Steered development team to use development environments and proper software development life cycle protocols to increase productivity and retain data integrity.

MedRisk - King of Prussia, PA *Senior Software Developer*

APRIL 2003 - DECEMBER 2005

Senior Software developer contributing to existing in-house software applications as well as building in-house applications from the ground up.

- Developed a custom VB.NET Optical Character Recognition Application that reduced the accounting process time in half. Built numerous robust, efficient, and reusable VB.NET objects.
- Designed and developed a C# based application for data importing, exporting, and reporting. This application extensively used XML and XSLT for data manipulation. Built numerous robust, efficient, and reusable C# objects.
- Architected a flexible and robust VB.NET accounting system that reduced the required number of full-time employees from six to two. The new, automated process resulted in annual cost savings of over \$75,000. The advanced accounting system processed claims and checks for numerous clients, accounting for millions of dollars weekly.
- Conceived, designed, and developed an ASP.NET-based corporate intranet using .NET Web Services for efficient data retrieval.

Bowne Global Solutions - Los Angeles, CA *Software Developer/Technical Lead*

OCTOBER 1998 - DECEMBER 2002

Software architect and technical lead of the corporate project management system that supported numerous users throughout numerous international corporate sites.

- Technical lead for a diverse development team that crossed many language, culture, and time zone barriers.
- Conceived and implemented a centralized content management system that allows all valid users the ability to upload content that is easily modifiable, viewable, and searchable.
- Developed a Python application that queried and formatted XML

linguistic data stored in a Microsoft SQL DB.

- Developed, updated, and maintained multilingual corporate website.
- Designed, developed, and implemented an ASP.NET-based corporate intranet site hosting corporate multimedia information, a corporate store with shopping cart and stock debiting functionality, and a content management system.

Electronic Data Systems - Romulus, MI *Software Developer/Technical Lead*

JANUARY 1995 - SEPTEMBER 1998

Software architect and technical lead of an integration system that connected disparate systems, allowing data to be ported from FORTRAN-based legacy systems to a more reliable and efficient Oracle-based back-end via UNIX middleware running Java.

- Created and assigned project tasks to the development team.
Monitored, adjusted, and controlled changes to project activities.
Kept team on schedule for on-time product delivery.
- Created test plans for test users/development team to execute.

EDUCATION

Oakland University - Rochester, MI - *B.S. Electrical Engineer*

SEPTEMBER 1990 - DECEMBER 1994

REFERENCES

References available upon request.