

HOANG M. NGUYEN

Software Engineering Manager, SAFe® Agile

< nguyenhm2009@gmail.com

< 203-895-3272

< [linkedin.com/in/nguyenhm2009](https://www.linkedin.com/in/nguyenhm2009)

EXPERIENCE

Manager, Software Engineering (2012 – Present)

COTIVITI, Inc. (Healthcare Analytics Company), Wilton, CT

- Manage multiple teams (onshore/offshore) and was responsible for their mentorship, growth, performance evaluation and job satisfaction. Proven record of recruiting, developing, and retaining great talent, building world-class development teams.
- Manage the teams' goals, construct and coordinate product releases and technical roadmap for R&D enhancement every year to improve quality, consistency, and client satisfaction.
- Leading and managing the MLOps team to design, develop and deploy ML models on-premise and hybrid AI cloud with DataRobot and AWS to automate the entire modeling lifecycle to support Payment Accuracy (CCV, CV, Data Mining/Duplicates, FWA), Risk Adjustment (Medical RR, Chart Navigator CAC), HMS (Accent/TPL model).
- Led and managed a Software development team including engineers and data scientists to deliver an initiative project, OCR/ML (Machine Learning) Record Retrieval, following the Scaled Agile process. The projected saving for the MVP release in June 2020 would be millions cost reduction with a high 99% of accuracy.
- Led and managed an Agile Software Engineering team to develop a 3-tier web application "Concept Library", that was a part of a large scale Enterprise Platform (C2i), following the Agile SCRUM (2-week Sprints). This result boosted the Audit transactions up to 90% faster in real-time processing by the third quarter of 2017.
- Led in designing and developing a .NET SPA (Single Page App) framework for building data-driven web applications (including design databases, stored procedures, reports, and data input interfaces using MSSQL, Web API, C#, Kendo-UI, JavaScript, HTML/CSS, etc.). This 3-tier framework was heavily used to develop all new Cotiviti Web applications, that reduced development time by 40% and ensured consistency codebase standard across all products.

Senior Enterprise Solution Architect, Team Lead (2008 – 2011)

EDGAR ONLINE (Financial Data Analytics Company), Norwalk, CT

- Managed and led a SWD team to develop an extensive multi-threaded XBRL Validator that increased the clients XBRL reports to 99% accuracy. This was a client-server product that utilizes the Java-based XPE (XBRL Processing Engine) APIs via WCF services, couples with a C# MVC Web/WPF application front-end for publishing the validation reports (XBRL Equity or Mutual Fund Risk/Return Summary documents) to clients.
- Designed and developed XBRL Validation process (I-Metrix Pro add-in) that validated Extensible Business Reporting Language (XBRL) documents at multiple levels, from the business perspective (SEC filing validation against the conformance test suite v.16) to the technical perspective.

Principal Software Engineer Manager (1996 – 2008)

NASDAQ Stock Market, Inc. (Financial Services Corporation), New York, NY

- Managed a team of 20 engineers and led a large-scale project (CGAR) to develop a multi-threaded message router written in C++ to route messages between NASDAQ applications (Single-Book ACT, MFUND, ACES and TRACE) and our customers via FIX, QIX, CTCI and Web. This boosted NASDAQ revenues more than 20% for over 5 years.
- Designed and developed a mission critical multi-threaded host monitoring system for Single-book, ACT, ACES, and TRACE. Utilized Java-based server technology for FIX and CTCI connectivity, coupled with a C#, and third-party tools such as Component-Art Web UI, Dundas Chart, and Flex/Flash for Win-Form/Web front-end. Data is stored in a MS SQL database
- Designed and developed the JAVA based projects, NASDAQ WASP and NASDAQ OMX GPC high-performance FIX and CTCI engines, providing client access to U.S NASDAQ and Nordic OMX equity order entry and trade reporting systems.
- Developed the NASDAQ Framework Gateway for sending/receiving messages between NASDAQ applications using Visual C++, WIN32, MFC, TIBCO Rendezvous/Hawk.
- Designed and developed NASDAQ's TIBCO monitor tool (written in JAVA).

ACHIEVEMENTS

- Designed and developed BDD automation test framework as a part of CI/CD process for IP Library product using C#, Gherkin, SpecFlow, and Selenium.
- Created a Jenkins pipeline CI/CD (on-premise) including code building, Veracode/SonarQube scanning, integrating/deploying websites to DEV and QC environments.
- Led the SE team to redesign IP-Library architectural framework to comply SSO using Active Directory with ADFS
- Maven Security Champion (OWASP)

STRENGTH

Leadership and Management Skills

10+ years in a management role leading diverse SE teams to deliver multiple Agile software development projects.

< Planning < Organizing < Communication
< Leadership < Team Building < Decision Making
< Interviewing < Onboarding < Coaching/Mentoring

- Strong experience in recruiting, strategic planning, performance and project management including conducting one-on-ones, performance review, and assisting goal setting.
- Demonstrate to be well-versed in both technical software development and business strategy.

Agile Project Management/Scrum Master

10+ years of experience in championing transition of the Software development from waterfall to Agile SCRUM (Epic/Feature/User story grooming, Sprint planning and prioritizing user stories and tasks).

Architect

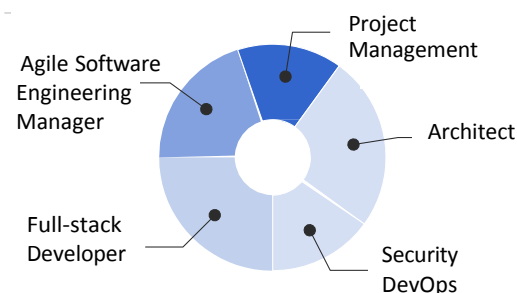
15+ years of experience in conducting business reviews, identifying, evaluating and implementing technology solutions focused on the long-term needs of the business. Provides expertise and influence on application architecture, design, integrity, security, utilization and reliability.

Full-Stack Developer

20+ years of experience in Web UI/UX (frontend), REST and Web API services, Database (backend) analysis, design and development.

Application Security

Actively key member of Application Security team. Assist in making security decisions for Engineering teams, and provide technical assistance for development and integration of DevOps tools.



TECHNOLOGY SKILLS

Web Development

HTML/CSS, XML, JSON, JavaScript, jQuery, Bootstrap, Kendo UI, RequireJS, KnockoutJS, NodeJS, Angular and Durandal Framework

Software Development

C#, ASP.NET, REST/Web API, IIS, WCF, MVC/MVVM, C++, JAVA, Mendix, AWS, Kafka, Neuron ESB, RabbitMQ, Microservices

Backend Development

T-SQL, MS SQL, SSRS, Oracle

AI Machine Learning Platform

DataRobot, Hadoop, Cloudera, Grafana, Lenses, Kafka, Python, RPA/UiPath, AWS AI/SageMaker

Project Management

Atlassian (Jira, Confluence), Asana, RALLY, TFS, GitLab

DevOps

Threat Modeling OWASP, Veracode, SonarQube, MS Azure, Git, Bitbucket, Bamboo, Jenkins, Octopus Deploy, Artifactory, CI/CD, BDD with Selenium/Spec Flow (Automation test)

EDUCATION

BS Computer Science, Stony Brook University (NY)

MS Computer Science, University of Bridgeport (CT)