

# NHAT NGUYEN

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## JAVA SOFTWARE ENGINEER

Proficient software engineer focusing on web-based applications with over 6 years of experience through full software lifecycle using advanced frameworks. Specialized in Java back-end technologies including J2EE, JSP, Spring, Struts, Hibernate, Servlet, Java Bean and front-end technologies including JavaScript, HTML5, CSS, AngularJS, Bootstrap and testing with JUnit, TestNG, automation test with Selenium. Good at software design and architecture, including module building, algorithms, design patterns.

Object-Oriented Development · Application Architecture · Software Design · Database Optimization  
Coding & Implementation · Agile Methodologies · Project Requirements · Development Lifecycle  
Library & API Creation · System Security · Unit Testing & Validation · Documentation

**Languages:** Java, C#, C++, NodeJS, PHP, Python.

**Technologies:** AWS S3, AWS SWF, AWS SQS, Java 8, Spring Core, Spring MVC, Spring Integration, Struts, Hibernate, JSP, Servlet, Java Bean, Restful API, SOAP API.

**Front-end:** Javascript, HTML5, CSS, jQuery, AngularJS, Bootstrap, AJAX, PromisesJS.

**Databases:** Oracle, MySQL, PostgresDB, MS SQL.

**Tools:** IntelliJ, Eclipse, NetBeans, Spring Tool Suite, Android Studio, GIT, SVN, JIRA, YouTrack, Visual Studio, P/S SQL, SQLyog, PgAdmin.

**Testing:** TestNG, JUnit, Selenium Webdriver, Selenium IDE.

**Mobile:** Android App, Web Responsive Design, Mobile First Design.

**Development Methodologies:** Scrum, Agile, Water Fall, Spiral.

**Design Patterns:** Observer, Decorator, Factory, Singleton, Command, Adapter, Façade, Template Method, Iterator, Composite, State, Proxy, Compound Patterns.

**Others:** Tomcat, Jetty, Apache, XAMPP, Ant, Maven, IIS7, Webpack.

## PROFESSIONAL EXPERIENCE

### ACE METRIX INC, El Segundo City, California, USA · 05/2016-current

The leader in video creative assessment, supporting the production of breakthrough effective work.

#### Software Engineer

This role required me with significant experience with Java that possesses a strong Software Engineering foundation and the skills/interest to work in a dynamic, mixed technology environment. I played a key role in developing our next generation of technology using Java and a variety of cloud based, NoSQL and relational technologies.

#### Typical Projects:

- **Admin Console:** Created, implemented and maintained the online web-based application system with different secure access levels for clients and staffs to manage their works from start to end for The process of Ad Video Data Collecting. Features include: Ad video uploading, processing and management; Question creation, grouping, filtering and management; Integrated and provided data for other systems including Survey Node, Core Processing; Flight creation, data collecting and management; User and role management;
- **Survey Node:** Created online system which generates survey for specific customers and filter information collecting. Handled real time data collecting and performance issues with nginx load balancing. Filtered meaningful data and prevented hacking by many filtering.
- **Technologies Used:** AWS, AWS S3, AWS SWF, AWS SQS, Java 8, Spring, Hibernate, JAX-WS, NodeJS, RESTful API, JavaScript, HTML5, CSS, Bootstrap, AngularJS, ReactJS, PromisesJS, AJAX, JSON, XML, PostgresDB, IntelliJ, UML, GIT, Youtrack, PgAdmin, TestNG, Selenium, Agile Software Development, Jetty, Apache, Maven.

### ABC VIRTUAL COMMUNICATION INC, HoChiMinh City, Vietnam · 06/2014-07/2015

Multi-country custom software application development company in business since 1996.

#### Java Software Engineer

Led complete development lifecycle of web application products, including both front-end and back-end features and module integration. Analyzed project requirements and system compatibility. Designed and completed unit testing,

performed maintenance, and delivered final product. Implemented US-based projects for two customers on offshore model.

#### Typical Projects:

- **DMACC:** Created, implemented and maintained the online web-based application system with different secure access levels for students and staff, including registration, payments and class listings.
- **Missouri Valley Line Constructors Apprenticeship & Training:** Created, implemented and maintained the online web-application system which automates application processing and demographic information collecting. Features multiple security levels, application submission, employee portfolios, test and interview scheduling, timesheets and instructor modules.
- **Technologies Used:** Java, Spring, Struts, Hibernate, JSP, Servlet, Java Bean, RESTful web services, JavaScript, HTML5, CSS3, jQuery, Bootstrap, AJAX, JSON, XML, Oracle, MySQL, Eclipse, UML, SVN, Git, Mantis, Dreamweaver, SQLyog, TestNG, Selenium, Agile Software Development, Tomcat, Apache, Ant, Maven.

#### ICARDIAC TECHNOLOGIES INC, Rochester, New York · 10/2013-02/2014

Global core lab providing cardiology review, data accessibility, and technical support.

#### Validation Associate & Software Developer

Designed and developed iCardiac next generation software platform through entire software development cycle, including architecture creation, implementation and delivery. Verified and validated data inputs and outputs. Coordinated with Validation Engineer.

#### Typical Projects:

- **iClinica API Version 1.0:** Implemented web API. Including authentication, uploads, validation, data processing.
- **Technologies:** C#, JavaScript, HTML5, CSS3, jQuery, AJAX, JSON, XML, MS SQL, Visual Studio .NET, SVN, Windows NT, Windows Server 2012, Scrum, IIS7

#### NAM A BANK, HoChiMinh City, Vietnam · 08/2011-04/2014

Commercial joint stock bank, a key contributor to Vietnamese economic development.

#### Java Software Engineer

Created, implemented and maintained the next generation web-based applications, including design architecture, analysis, coding, testing, deployment and maintenance. Created complex internal technology solutions, improving bank productivity and profitability.

#### Typical Projects:

- **IT Service Desk:** Created, implemented and maintained the internal web-based service desk, allowing ticket creation, assignation, maintenance, resolution and data export.
- **Fund and Bill Management:** Created, implemented and maintained the internal web-based for financial platform. Including account and fund management, deposit and withdrawal bill management, manage and print receipts, reports, cash flow, transactions and data import/export.
- **Management Information System:** Created, implemented and maintained the internal portal for management of the bank. Including announcements, news, forum, calendar and official dispatches.
- **Employee Performance Evaluation (KPI):** Created, implemented and maintained the web-based application for Human Resources management. Including evaluates employee performance, import/export management reports, security access level with user role management.
- **Technologies:** Java, C#, Spring, Struts, Hibernate, JSP, Servlet, Java Bean, EJB, RESTful Web Services, JavaScript, HTML5, CSS3, jQuery, AJAX, JSON, XML, Oracle, MS SQL, NetBeans, Eclipse, SVN, Visual Studio .NET, Dreamweaver, P/S SQL, Sharepoint, BI Reporting Tool, JUnit, ISO/IEC 27001, Tomcat, Ant, Maven, IIS7

### EDUCATION

**Master of Science in Computer Science (2017)** – Maharishi University of Management – Fairfield, Iowa, USA.  
**Bachelor of Science in Computer Science (2011)** – University of Information Technology Ho Chi Minh City, Vietnam.

### ACADEMIC PROJECTS

- **Library Management System, MUM:** Developed and integrated modules for desktop application allowing book borrowing with multiple user roles. Used Java8, JavaFX, Eclipse, UML, JUnit.
- **Food Ordering, MUM:** Designed and developed a food ordering Android application for servers to make and manage orders for clients. Used Android studio, Java, and RESTful Web Services.
- **Banking Framework:** Designed, developed and integrated modules for a banking system, creating and managing customers, accounts, credit cards, interest, deposits and withdrawals. Used Java8, Java Swing, Design Patterns.