

NHAT NGUYEN

Los Angeles, California 90034

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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

I have been working as a full stack software engineer which is 50% of front-end development and 50% of back-end development. This role required me with significant experience with Java Restful API and Node JS for the back-end dev and AngularJS, Promises JS and Bootstrap for the front-end. I played a key role in developing our next generation of technology using a variety of cloud based, NoSQL and web-based relational technologies.

Contribution:

- Created, implemented and maintained an online web-based application system with different secure access levels for clients and staffs to manage their works. Features include: Ad video uploading, processing and management; Question creation, grouping, filtering and management; Integrated and provided data for other systems. Flight creation, data collecting and management; User and role management; Designed and completed unit testing;
- Created an online web-based 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. Designed and completed unit testing.
- **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 50% of front-end development and 50% of back-end development. Implemented 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.

Contribution:

- Created, implemented and maintained the online web-based application system with different secure access levels. Including these features: users and roles management, course registration, payments and class listings. Designed and completed unit testing;
- Created, implemented and maintained the online web-application system which automates application processing and demographic information collecting. Including these 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.

Contribution:

- Implemented web API. Including authentication, uploads, validation, data processing.
- **Technologies used:** 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.

Contribution:

- Created, implemented and maintained the internal web-based service desk. Including these features: ticket creation, assignation, maintenance, resolution and data export.
- 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.
- Created, implemented and maintained the internal portal for management of the bank. Including announcements, news, forum, calendar and official dispatches.
- 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 used:** 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 (12/2017) – 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.