NHAT NGUYEN

Los Angeles, California
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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

Back-end: Java, NodeJS, Amazon Web Services, Spring MVC, Struts, Hibernate, Restful API, SOAP API
Front-end: Javascript, HTML5, CSS, AngularJS, Bootstrap, jQuery, AJAX, PromisesJS.
Databases: Oracle, MySQL, PostgresDB, Redis.
Tools: IntelliJ, Eclipse, Visual Studio Code, GIT, SVN, JIRA
Testing: TestNG, JUnit, Selenium Webdriver, Selenium IDE.
Mobile: Web Responsive Design, Mobile First Design, Android Application.
Methodologies: Scrum, Agile, Water Fall, Spiral.
Others: Tomcat, Jetty, Apache, XAMPP, JBoss, Ant, Maven, 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 40% of front-end development and 60% of back-end development. This role required me with significant experience with Java Restful API and Node JS for the back-end and AngularJS, Promises JS and Bootstrap for the front-end. I played a key role in developing technologies using a variety of cloud based, NoSQL and web-based relational technologies.

Projects and Contribution:
- Admin Integration Project: Designed, Implemented and Maintained this online web-based application system with different secure access levels for clients, staffs and admin to manage their video processing tasks. Features included: Video uploading, processing and management; manage survey questions, grouping, filtering; Manage survey data collecting; User and role management; Completed unit testing and test coverage;
  Technologies used: AWS S3, AWS SWF, AWS SQS, Java 8, Spring MVC, Hibernate, Restful API, PostgresDB, Redis, AngularJS, Sass, Bootstrap, TestNG, EasyMock, Jetty, Maven, Agile.

- Survey Data Collecting Project: Designed, Implemented and Maintained a realtime data collecting web application. Features included: generates survey for specific clients and filters data collecting. Handled real time data collecting and performance issues with nginx load balancing, queue and caching. Filtered meaningful data and prevented hacking by many filtering. Completed unit testing.
  Technologies used: AWS S3, NodeJS, Express, Restful API, Redis, AngularJS, Sass, Bootstrap, Webpack, Agile, Mochajs.

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 40% of front-end development and 60% 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.

Projects and Contribution:
● Courses Registration Management Project: Implemented and maintained this web-based application system with different secure access levels. Including these features: users and roles management; course registration and management; online payment. Completed unit testing;
Technologies used: Java 7, Struts 2, Spring, Hibernate, JSP, Servlet, Java Bean, Restful API, SOAP API, MySQL, Bootstrap, JUnit, Selenium, Tomcat, Maven, Agile.

● Workflow Training Project: Implemented and maintained this web-application system. Features included: automates application processing and demographic information collecting, multiple security levels by user and role management, application submission, testing online, employee portfolios and interview scheduling, timesheets and instructor modules.
Technologies used: Java 7, JSP, Servlet, Java Bean, RESTful API, MySQL, HTML5, CSS3, jQuery, Bootstrap, AJAX, JSON, XML, Apache, Ant.

NAM A BANK, HoChiMinh City, Vietnam · 08/2011-05/2014
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.

Projects and Contribution:
● Service Desk Project: Created, implemented and maintained the internal web-based service desk. Including these features: ticket creation, assignation, maintenance, resolution and data export.
Technologies used: Java, Struts, Servlet, Java Bean, RESTful API, Oracle, HTML5, CSS3, jQuery, AJAX, JSON, JUnit, XML, Tomcat, Ant.

● Fund and Bill Printing Project: Created, implemented and maintained the internal web-based for financial platform. Including account and fund management, deposit and withdrawal money, bill management, bill and receipt printing , reports, cash flow, transactions and data import/export.
Technologies used: Java, Struts, Servlet, Java Bean, RESTful API, Oracle, HTML5, CSS3, jQuery, AJAX, JSON, JUnit, XML, Tomcat, Ant.

● Internal Information Portal Project: Created, implemented and maintained the internal portal for management of the bank. Including announcements, news, forum, calendar and official dispatches.
Technologies used: C#, Sharepoint, RESTful API, MS-SQL, HTML5, CSS3, jQuery, XML, IIS7.

● KPI Management Project: 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, Struts, Servlet, Java Bean, RESTful API, Oracle, HTML5, CSS3, jQuery, AJAX, JSON, JUnit, XML, Tomcat, Ant, BI Reporting Tool.

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.