**TAN PHAT NGUYEN**

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**JAVA DEVELOPER**

Motivated Java Developer with more than 10 years of professional experience including latest 3 years of hands-on experience leading development new Microservices while maintaining backend and frontend of legacy applications. Effective team leader who mentors team members through all phases of software development life cycle and maximizing development knowledge and understanding. Skilled in using technologies such as Java, Spring, Spring Boot, gRPC, JPA / Hibernate, JBoss Drools, Kafka, SQL, HTML, CSS, Node.js, Angular, React.js, Tomcat, Maven, IntelliJ IDEA, and Eclipse.

Software Development Life Cycle • Development / Implementation • Team Leadership • Microservices

Design Patterns • Agile / Scrum • Requirements Analysis / Planning • Algorithms

**Languages:** Java **Web:** HTML5, CSS3, React.js, JavaScript, TypeScript, Bootstrap, jQuery, AJAX, JSP, Servlet  
**Web Services:** RESTful, SOAP **Web and Application Servers:** Tomcat, Jetty, Glassfish  
**Frameworks:** Spring, Spring Boot, JPA / Hibernate, Angular, Nodejs, Express, Mockito, JBoss Drools  
**Databases:** MySQL, Oracle DB, MariaDB, H2, MongoDB, Cassandra, PostgreSQL  
**Design Patterns:** Strategy, Decorator, Factory Method, Observer, Singleton, Flyweight, Adapter, Façade, Template, Builder, Iterator, Composite, State, Abstract Factory **SDLC:** Waterfall, Agile, Scrum, TDD **Tools:** OpenShift / Kubernetes, Eclipse, IntelliJ IDEA, WebStorm, Kafka, Kanban, Maven, Jenkins, Postman, GIT, Docker, StarUML, JUnit, Jira, OAuth2, Keycloak  
**Platforms:** Windows, Linux, Mac OS, AWS, Google Kubernetes Engine (GKE)

**PROFESSIONAL EXPERIENCE**

***CAREER NOTE:*** *Completed on-campus studies and currently taking distance education courses to complete a* ***Master's Degree in Computer Science*** *(Available for full-time, W-2 employment).*

**Nivid Systems LLC, 28 Feb 2023 – Present**

Assigned to client **ADP**, which is an American provider of human resources management software and services, headquartered in Roseland, New Jersey.

**Senior Java Developer**

Modernized the core software of human resources management which serves for HR, payroll, talent, time, tax and benefits administration functionalities.

* Researched high level and technologies that have been used in the project and figured out solutions.
* Migrated to project to Apache Maven from Apache Ant.
* Wrote shell script to migrate the project automatically.
* Updated Dockerfile and Jenkins Pipeline that uses Maven to build and push docker image to JFrog artifactory.
* Documented the process, steps, meeting notes, and trained team to migrate and setup the project.
* Worked on Java memory spike, investigated heapdumps, garbage collectors.

***Technologies Used:*** *Java, Apache Ant, Apache Maven, Docker, Amazon EKS, Oracle DB, Jenkins, IntelliJ IDEA, Linux.*

**DBS BANK SINGAPORE, Singapore • 2019-2022**

Multinational banking and financial services company.

**Senior Software Developer**

Led development and implementation of new Microservices while maintaining backend and frontend of legacy applications.

* Migrated legacy applications to modern Microservices.
* Gathered requirements and implemented UAT testing while collaborating with business users.
* Researched and identified solutions to migrate Java Applets to Java Web Start.
* Managed team by guiding junior developers through all phases of software development life cycle.

***Technologies Used:*** *Java, Spring, Spring Boot, JPA / Hibernate, JSP / Servlet, JavaScript, HTML5, CSS3, Bootstrap, jQuery, React.js, Oracle DB, MariaDB, H2, Kafka, IntelliJ IDEA, Jenkins, Windows, Linux, OpenShift / Kubernetes.*

**MUSIC TRIBE SERVICES SG PTE. LTD., Singapore • 2017-2019**

Manufacturer of musical instruments.

**Senior Engineer**

Maximized functionality and performance of e-commercial website for musical instrument products.

* Identified and fixed bugs for storefront and B2B for website.
* Accomplished user requests and requirements as part of team.
* Managed team from spring planning to completion.
* Supported end users by addressing production issues.

***Technologies Used:*** *Java, Spring, SAP Hybris, JavaScript, Bootstrap, jQuery, HTML, CSS, MySQL, Apache Solr, HA Proxy, Windows, Linux.*

**TMON VIETNAM, Ho Chi Minh City, Vietnam • 2016-2017**

Startup technology company.

**IT Developer**

Designed and implemented new CRM web application.

* Gathered and analyzed client requirements.
* Led design of core features including Lead, Code, and File management.
* Developed organizational workflow.

***Technologies Used:*** *Java, Spring, JPA / Hibernate, HTML, CSS, Angular, Bootstrap MySQL, Maven, Git, MacOS.*

**MANIFERA SOFTWARE DEVELOPMENT PTE. LTD., Ho Chi Minh City, Vietnam • 2015-2016**

IT outsourcing company.

**Senior Java Developer**

Researched and built automated PDF parser application to parse magazine articles into categorize sections.

* Coordinated user interface and tool functionalities with manager.

***Technologies Used:*** *Java, Swing, JBoss Drools, Apache HttpClient, PDFBox, ICEpdf, Maven, Git, MacOS.*

**TMA SOLUTIONS VIETNAM, Ho Chi Minh City, Vietnam • 2014-2015**

Technology company for outsourcing IT services.

**Senior Engineer**

Designed features for capital market applications.

* Transformed user requirements into proposed designs.
* Ensured product quality by implementing code reviews and continual testing.

***Technologies Used:*** *Java, GWT, OpenORB, Oracle DB, Tomcat, Windows, SVN.*

**AXON ACTIVE VIETNAM, Ho Chi Minh City, Vietnam • 2012-2014**

IT services company.

**Web Developer**

Created features assigned by Scrum Master.

* Transformed client requirements into user stories and present to Product Owner.
* Implemented metrics to evaluate team performance.
* Established Apache and Git server to deploy PHP web application.

***Technologies Used:*** *Java, PHP, Glassfish, Apache HTTP Server, SVN, JUnit, SOAP, SOAP UI, Windows.*

**ACADEMIC PROJECTS**

**Airbnb-ish, MIU (2022):** Developed Microservices application for users to search for houses and make reservations. ***Technologies Used:*** *Spring Boot, Spring Security, Spring Data, Kubernetes (GKE), Kafka, Zipkin, Kong Gateway, Cassandra, Redis, HTML, JavaScript, Bootstrap, React.js*

**Property Management Portal (Zillow-ish), MIU (2022):** Developed online portal for owners to post properties for rent or sale and schedule viewing appointments. ***Technologies Used:*** *Spring Boot, Spring Security, Spring Data, OAuth2, Keycloak, HTML, JavaScript, Bootstrap, React.js, PostgreSQL, Docker.*

**Job Portal, MIU (2022):** Created online job portal for users to search for jobs and employers to post open positions. ***Technologies Used:*** *TypeScript, JavaScript, HTML, CSS, Angular, Node.js, MacOS, Heroku, Cloudinary, Angular Material, WebStorm, MacOS.*

**Mini Shopping Cart, MIU (2022):** Developed application for users to add products to cart and process orders. ***Technologies Used:*** *JavaScript, HTML, CSS, Bootstrap, Node.js, WebStorm, MacOS.*

**Library Management Application, MIU (2022):** Designed Swing desktop application to manage library operations and book borrowing. ***Technologies Used:*** *Java, Swing, IntelliJ IDEA, MacOS.*

**EDUCATION**

**Master of Science in Computer Science**

*(In progress via distance education; expected completion Dec 2024)*

Maharishi International University, Fairfield, Iowa

*Key Courses: Modern Programming Practices, Web Application Programming, Modern Web Application,*

*Web Application Architecture, Software Architecture, Algorithms*

**Bachelor of Science in Information Technology**

HCMC University of Technology and Education, Ho Chi Minh City, Vietnam

**CERTIFICATIONS**

AWS Certified Solutions Architect – Associate (2020)

Oracle Certified Associate, Java SE 8 Programmer (2019)

Oracle Certified Professional, Java SE 8 Programmer (2019)