

QUYNH PHAM

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SENIOR JAVA DEVELOPER

Driven and talented software developer with more than 8 years' professional experience in large-scale, enterprise level software engineering and project management. Adept at developing and integrating essential ecommerce technologies. Expert developer in multiple platforms with a special focus on Java and Java-based technologies such as Spring, Hibernate, and JSP, as well as tools including Tomcat, MS SQL, MySQL, Oracle, and Git. Highly experienced in leading agile development teams, troubleshooting and solving mission critical SEV1 issues, and Peak season war room duties. Motivating team and project leader, able to effectively guide diverse teams through the software development lifecycle, with leadership, problem solving, project planning, and developer coaching.

Software Engineering • Java Development • Project Management • Requirement Management
System Analysis and Design • Technology Integration • Emerging Technologies • Solution Development
Application Testing / Debugging • Problem Solving • Development Lifecycle • Big Data Technology

Languages: Java, SQL, Python, Scala

Web: HTML5, CSS3, JavaScript, JSP, jQuery

Web Services: REST, JSON, SOAP

Web/App Servers: Apache Tomcat

Frameworks: Spring MVC, Microservices, Hibernate, Struts, NodeJS, React

Databases: MS SQL, MongoDB, MySQL, PostgreSQL, SQLite, Oracle

Design Patterns: Singleton, Factory

SDLC: Waterfall, Agile-Scrum

Tools: Trello, Bitbucket, JIRA, UML, Eclipse, Visual Studio Code, PuTTY, WinSCP, PTS, Illustrator, SVN, Git, GitHub, ShareTribe, Atlassian SDK, Liferay, Maven, Jenkins, Kafka, Docker, Postman

Platforms: Windows, Linux

Cloud: AWS, Google Cloud

Big Data: Hadoop, HDFS, MapReduce, Spark, Spark Streaming, Cloudera, Scala, Flume, HBase, Hive

Machine Learning: YOLOv3, Keras, Sklearn, Pyplot, Seaborn, Colab, Kaggle

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).

KMS TECHNOLOGY INC, Ho Chi Minh City, Vietnam • 2011-2015

Information Technology & Services

Senior Software Engineer / Team Lead: Led a development and technical escalation point team. Successfully developed new enhancements, real time integration services, batch integration services and third-party integrations. Delivered high quality development support for ecommerce platform service. Successfully solved SEV1 issues and performed critical support as part of the war room task force during peak ecommerce season. Clients included some of the largest enterprises such as Warner Brothers®, Neutrogena®, newegg®, Armani Exchange®, Disney®, UCLA. etc.

Tasks Performed:

- Lead teams through the software development lifecycle
- Estimated, scheduled, planned, and prioritized all software development tasks
- Integrated and developed third party technologies, including Omniture, Ecometry, PayPal, and Facebook.
- Repaired bugs and performed troubleshooting on severity-1 mission critical issues

- Implemented and developed enhancements and custom modules for an e-commerce platform such as discount, promotion, specialized shipping options and user-generated content.
- Provided critical support as part of the war room task force during peak ecommerce seasons

Achievements:

- Identified, evaluated, developed, and implemented solutions for more than 50 client companies.
- Built a scalable in-house project management system to fix bugs and troubleshoot incidents.
- Coached more than 15 new team members. Worked on-site for a client company in Bay Area, California.
- Provided flexible and creative solutions for urgent/critical issues such as last-minute requirement,
- Successfully performed mission critical support as part of the war room task force at California HQ, ensured high performance during peak ecommerce seasons
- Coached 15 new team members. Traveled on-site to client company in California for 4 months.

Technologies Used: *Less CSS, Bootstrap CSS, JSP, JSPSs, Servlet, jQuery, AJAX, Java, PuTTY, SCP, VPN, Oracle, MS SQL, MongoDB, SVN, SolR, Quartz, Batch, Struts, Spring, Hibernate, RESTful API, JIRA, Confluence, Tomcat, Ubuntu, IWS, ESB-BIS, XSLT, JMS*

RAPTURE EDGE PTE LTD, Ho Chi Minh City, Vietnam • 2010

Singapore-based software development company.

Project Manager: Developed a Confluence plug-in reporting system for all community and user activities.

Tasks Performed:

- Analyzed system requirements, and designed architecture and functional specifications.
- Managed project, led technical team, and implemented code.
- Set up and installed the deliverable on Amazon Cloud and Tata Communication.
- Configured and developed new feature for Liferay portlet on Liferay Portal.

Achievements:

- Led a successful development team efficiently and quickly.
- Developed and deployed a major plug-in for Confluence.

Technologies Used: *Java, Spring, Hibernate, Ant, Liferay, MySQL, SVN, Atlassian, Maven, PuTTY, SCP, SQLite, JSON, XML, jQuery, AJAX, Velocity*

NETBLUE LTD, Ho Chi Minh City, Vietnam • 2008-2010

US-based software development and outsourcing company.

Java Engineer: Maintained online advertising system, which monitors incoming feedback per advertiser.

Tasks Performed:

- Maintained, configured, and built components and functionality.
- Developed back end and configured environments for building and deploying apps on the server.
- Created test cases, JUnit tests, and XML tests.

Achievements:

- Successfully built a highly scalable and stable advertising feedback report system.
- Completed and delivered full functionality for multiple apps.

Technologies Used: *Java, Spring, Struts, Hibernate, UML, Ant, Ivy, Maven, SVN, PuTTY, SCP, MySQL, PostgreSQL, Eclipse*

COMIMEX LTD, Ho Chi Minh City, Vietnam • 2007-2008

Japanese software development and outsourcing company.

Java Engineer: Developed a project management web application and an income/expense management system.

Tasks Performed:

- Analyzed and designed process flow, system features, and databases.
- Created wireframes based on requirements and workflow diagrams.

Achievements:

- Delivered comprehensive systems which meet in-house business requirements.

Technologies Used: *Struts, Hibernate, JSP, HTML, JavaScript, UML, Rational Rose, CSS, MySQL, Eclipse Tiles, Velocity, AJAX*

PERSONAL PROJECTS

PWNWITH.COM & ZCLOSET.COM, San Francisco, California • 2018-2019

pwnwith.com - Booking and matching system for gamers.

zcloset.com - Booking and rental service outfits from local designers.

Co-Founder / CTO: Developed company's strategy for using technological resources, evaluating, and implementing new systems and infrastructure to ensure technologies are used efficiently, profitably, and securely.

Tasks Performed:

- Developed financial plans to determine break-even points and ensure long-term solvency.
- Identified, evaluated, and developed cost-effective technical and open-source solutions.
- Designed and implemented user interfaces and web pages.
- Installed and customized ShareTribe and ShareTribe Flex on Google Cloud and AWS.

Achievements:

- Developed platform-specific features and improvements.
- Set up highly scalable project management environment for development and release.

Technologies Used: *Ruby, Ruby on Rails, MySQL, Git, NodeJS, React, jQuery, AWS, Google Cloud, Sphinx, Nginx*

ACADEMIC PROJECTS

BootUp, MIU (2020): Implemented a deep learning, visual search system which allows users to find and recommended shoes by uploading images to a web application. System was initially trained with a manually created dataset. Post training, system can detect the shoe type and recommend visually and categorically similar shoes from online stores. This AI virtual search engine project was selected to be one of the finalists for the Big Fish event - a Shark Tank like event mentored by the original shark on Shark Tank, Kevin Harrington. **Technologies Used:** *Python, Flash API, VueJS, Docker, AWS EC2 VM, YOLOv3, TSNEViewer – VGG-16, Grad-CAM Resnet-50, Postman*

Movie Recommendation, MIU (2020): Created a machine learning movie recommendation system which suggests the top 10 popular movies, top 10 similar movies to a user-chosen movie, and top 10 movies based on user's previous reviews. **Technologies Used:** *Demographic Filtering, Cosine Similarity, Content-Based Filtering, Collaborative Filtering, Singular Value Decomposition, Python, Colab, Flash API, Keras, Sklearn, Pyplot, Seaborn, VueJS, Docker, AWS EC2 VM*

COVID-19 Social Media, MIU (2020): Developed a Spark Streaming application which streams real-time tweets about COVID from the Twitter API, filtered by location in the US, and displays real-time counts on a Lightning map. System flows data from Twitter through Kafka and stores in HBase. Used Jupyter Notebook to apply Spark SQL and HiveQL to retrieve and visualize the data. **Technologies Used:** *Java 8, MapReduce, Hadoop, Google Cloud Compute Engine, Spark SQL, Ubuntu, Docker, Cloudera, Kafka, Spark Streaming, Hive, HBase, Lightning*

Salary Prediction, MIU (2020): Implemented a recommendation system which predicts professors' salaries based on job title and gender. Practiced different approaches and applied Bootstrapping techniques. **Technologies Used:** *Java, MapReduce, Hadoop, Google Cloud Compute Engine, Spark SQL, Scala, Ubuntu, Docker, Cloudera*

Library Management, MIU (2019): Developed a desktop application in a team of 2 which handles multi-role user login, registration, user management, inventory, and book check-in/check-out. **Technologies Used:** *JavaFX, Scene Builder, Java 8, UML, Git*

EDUCATION

Master of Science in Computer Science Specializing in Data Science.

(In progress via distance education; expected completion June 2022)

Maharishi International University – Fairfield, Iowa

Key Courses: *Modern Programming Practices; Big Data; Big Data Technology; Algorithms; Machine Learning*

Activities: *Worked as TA/GSA for 3 out of 5 courses taken on campus: Modern Programming Practices, Big Data, Big Data Technology*

Achievement: *One of finalists for the Big Fish event - a Shark Tank like event mentored by the original shark on Shark Tank, Kevin Harrington for the best innovation idea.*

Associate of Arts in Fashion Design (2017)

The Art Institute of California – San Francisco, California

Achievement: *Won the best Runway Show 2017*

Bachelor of Science in Applied Mathematics & Informatics (2007)

Hanoi University of Science – Hanoi, Vietnam