

Khanh Nguyen

khanh.p.nguyen@outlook.com | (641) 451-3937 | Frisco, TX, 75033 - willing to relocate

Linkedin: <https://www.linkedin.com/in/khanhphuong-nguyen/>

Portfolio: <https://k3htech.com>

Summary

Full Stack Java Developer with **9+ years** building scalable, responsive, and user-friendly web apps (**React, Angular**) using **Agile methodologies**. Expertise in **Java, Spring Boot, React.js, Angular, Docker, Kubernetes, OpenShift, Jenkins, AWS**, and a broad range of technologies. Adept at designing **RESTful APIs**, implementing **microservices architecture**, and deploying containerized solutions using **CI/CD pipelines**.

Certifications

- | | |
|--|------------------------------------|
| • Oracle Certified Professional: Java SE 17 Developer | Issued Jan 2025 |
| • AWS Certified Solutions Architect Associate | Issued May 2024 · Expires May 2027 |
| • Certificate Of Completion for Web Security: OAuth and OpenID Connect | Issued Jul 2024 |
| • Certificate Of Completion for the Ultimate Docker Course | Issued May 2024 |
| • Certificate Of Completion for React 18: Intermediate Topics | Issued Apr 2024 |
| • Certificate of Completion for The Ultimate Redux Course | Issued Apr 2024 |

Professional Experience

Reason for Gap

Aug 2023-Present

Focused on pursuing a master's program but now it's a distant education (remote on weekends) so all set to start new project onsite.

Mesoneer AG

Apr 2020 – July 2023

Senior Full Stack Java Developer

- Designed and developed responsive Single Page Web Applications (SPA) for banking solutions using **Angular, Java, Spring Boot, Hibernate, Node.js**, and **Swagger**, leading to a 20% increase in account registrations.
- Collaborated with cross-functional teams to integrate backend services with front-end applications, ensuring system **performance, reliability, and scalability**.
- Developed **RESTful APIs** with Java and Spring Boot, managed deployments on **AWS** using **Docker** for containerization, **OpenShift** for orchestration, and **Helm** for packaging, improving delivery efficiency.
- Implemented **Single Sign-On (SSO)** support using **OAuth2/OpenID Connect** for BackOffice applications.
- Implemented an **automation testing project** using Robot Framework, detecting 50% more bugs before production.
- Built and maintained **CI/CD pipelines** using **Jenkins**, reducing deployment times by 45% through automation.
- Conducted **code reviews** to ensure adherence to **coding standards** and **best practices**, achieving a 15% reduction in bug reports and improving software quality.

Swiss Post Solutions

Jun 2018 – Apr 2020

Java Developer

- Built microservices for a Central Document Input Processing Platform utilizing **Spring Cloud, Kafka, AWS SDK, S3, MongoDB**, and **Logstash (ELK)**. Automated the capture of invoices and receipts data for market analysis, handling 10,000+ daily cases.
- Optimized **PostgreSQL** database queries and implemented Hazelcast **caching**, boosting platform performance by 10%.
- Developed deployment manifests for containerized applications using Docker and **Kubernetes**, optimizing for high availability and scalability.
- Established **real-time monitoring** and **logging** with the **ELK stack**, reducing troubleshooting time by 40%.

TMA Solutions

May 2014 – Jun 2018

Software Engineer

- Modernized a legacy Wealth Management Administration platform called [GBST's Composer](#) utilizing **React.js**, Spring Boot and Hibernate. Recognized for this achievement with a **TMA Star Performer Award (Q2 2016)**.
- Selected for a **prestigious onsite training program in Sydney, Australia**. Shared learnings with team members, resulting in a 20% increase in team efficiency and a 15% improvement in project delivery times.
- Developed a Bulk Investor Import feature using **Spring Batch**, increasing client revenue potential by 15%.

- Achieved 85% test coverage using **JUnit**, **Mockito**, and implemented **BDD** with **Cucumber**, significantly reducing critical bugs.

Academic Projects

MIU Talent Connect – [GitHub Repository](#)

- Description: Designed and developed a job portal to connect students with employers, streamlining job application processes.
- Tech Stack: React.js, Spring Boot, MongoDB, Docker, AWS SDK, AWS S3, AWS ECR, JWT, Material UI.
- Key Features:
 - Built user interfaces for students and recruiters, enabling seamless navigation.
 - Developed RESTful APIs for user authentication, searching and filtering, ensuring high performance.
 - Integrated Spring Security for secure login and session management.
 - Deployed the platform using Docker containers on AWS Lightsail and AWS S3 for file storage.
 - Utilized MongoDB full-text search feature for dynamic search and filtering functionalities.
- Impact: Improved user experience by reducing job search times and enhanced system scalability through containerized deployment.

Big Data Technologies Final Project – [GitHub Repository](#)

- Description: This project aims to demonstrate a real-time data pipeline for extracting, transforming, loading, analyzing, and visualizing questions asked on Reddit.
- Tech Stack: Apache Kafka, Apache Spark, Hive/HBase, Tableau, Docker.
- Key Features:
 - Designed and implemented a data pipeline to process and analyze terabytes of data using Kafka for real-time data ingestion, Spark Streaming for data processing, Hive/HBase for data storage, Spark SQL for data querying and Tableau for data visualization.
- Impact: Demonstrated the ability to process large-scale datasets efficiently, enabling data-driven decision-making.

Game Hub – [GitHub Repository](#)

- Description: Created a game discovery platform to help users explore and search for games based on genres, platforms, and ratings.
- Tech Stack: React.js, TypeScript, Vite, Material UI, RAWG Video Games Database API.
- Key Features:
 - Implemented a responsive and user-friendly interface with Material UI for seamless game browsing.
 - Integrated the RAWG API to fetch real-time game data, including genres, ratings, and platforms.
 - Added dynamic filtering and sorting options for an enhanced user experience.
 - Utilized Vite for faster builds and optimized development performance.
- Impact: Delivered a highly interactive platform that simplifies game discovery for users.

Education

- Bachelor of Information Technology Vo Truong Toan University 2010 – 2014
- Master of Science in Computer Science Maharishi International University 2023 – Expected: 2026

Technical Skills

Languages: Java, JavaScript, TypeScript, SQL, Python

Frontend Technologies: React.js, Angular 16, NgRx, Bootstrap, Material UI, HTML5, CSS3, SCSS

Backend Technologies: Spring Boot, Spring Data JPA, Spring Security, Spring Cloud, Hibernate, ActiveMQ, Kafka, SOAP, JSON, Node.js, JWT, OAuth2, OIDC, Swagger

Databases: MSSQL, PostgreSQL, MySQL, Oracle DB, MongoDB, DynamoDB

DevOps & Tools: Jenkins, Docker, Kubernetes, OpenShift, Prometheus, ELK Stack, Nginx, Helm, UNIX Shell Script, Git, GitHub, GitLab, Bitbucket, SVN, Maven, Gradle, Node.js, NPM, YARN, SonarQube, IntelliJ IDEA, Eclipse, StarUML, BPMN

Cloud Platforms: AWS (EC2, S3, Lambda, RDS, Route53, CloudFront, API Gateway)

Testing: JUnit, Mockito, PowerMock, BDD, Cucumber, Gherkin, Selenium, SoapUI, Postman, Ready API, Robot Framework