NGUYEN MINH QUAN

SOFTWARE ENGINEER

☐ +84 090 690 3819 | @ nmquanvn@gmail.com | 🔗 quannm25 | ⭘ nmquanvn | Ⓢ 0906903819 | 📍 Ho Chi Minh, Vietnam
➜ www.nmquanvn.github.io/portfolio/ 🌐

SKILLS

Languages: Java (2 y.o.e), Python (1 y.o.e), Javascript (1 y.o.e), Typescript, Golang, Visual Basic, C++, SQL.

Web: Spring Framework, Gin, Express.js, React.js, HTML, CSS, MUI, Tailwind, ORMs, Redis, jQuery.

Desktop App: .NET Framework, Winform, WPF, VBA Scripting.

Databases: MySQL, SQL Server, PostgreSQL, MongoDB.

Version Controls: Github, Gitlab, SVN.

Cloud Service: AWS (IAM, ECS, CloudWatch, S3, EB, ECR).

Tools: Git, Maven, Gradle, Docker, Nginx, Selenium WebDriver, JMeter.

Methodologies: OOP, Restful API, Waterfall, Agile/ Scrum, Prototype.

Experience in writing scripts using **Python** to extract information, automate tasks, and improve workflow.

WORK EXPERIENCE

System EXE Vietnam
🌐 system-exe.com.vn

Software Engineer   *Apr 2022 − Sep 2023*

- Collaborate with cross-functional teams and senior developers to design, build, and manage software applications that adhere to client requirements and industry standards.
- Investigate, debug, and resolve technical issues and software vulnerabilities.
- Diagnose and resolve performance issues and security vulnerabilities in applications before they become problems.
- Work with QA teams to assure the quality and reliability of software products.
- Participate in the development and maintenance of technical documentation, including code comments and feature documentation.
- Ensure software applications meet performance benchmarks by aiding in performance optimization efforts.
- Implement new client requests as features of existing solutions.
- Identify bottlenecks and optimize application performance, including response times and resource utilization.
- Fix bugs submitted by QA engineers.
- Participate in user acceptance testing activities to make sure the software satisfies client expectations and requirements.
- Research and study under the guidance of technical leaders to gain valuable insights and enhance skillsets.
- Assist team leaders by providing technical guidelines to support the onboarding process for new members.

Sutrix Solutions
🌐 sutrixgroup.com

Software Engineer Intern   *Jan 2020 − May 2020*

- Develop and maintain web applications using Adobe's Experience Manager CMS, J2EE to include site architecture, custom components, workflow development, and DAM.
- Work with mentors to refine coding skills, learn Java design patterns, and gain insights.
- Take part in workshops, sharing sessions, and training opportunities by the experts to broaden and improve technological skills.
- Gain exposure to version control systems like Git and Jira for collaborative development and codebase control.

EDUCATION

University of Science
Ho Chi Minh, Vietnam

B.S in Information Technology, **GPA: 8.04**   *Sep 2022*

CERTIFICATES

ISTQB Foundation Level (CTFL)
May 2023

Software testing, test analysis and design, test driven development, testing tools.

PROJECTS

Vehicle Reservation System | *Business Project*

— **Stack </>**: Java, Spring Boot, Microservices, MyBatis, MySQL, AWS, Thymeleaf, Python, Selenium.

- Built **Spring Boot APIs** to facilitate streamlined microservices communication and improve the system interoperability.
- Fine-tuned **MySQL** database queries, indexes, and caching mechanisms for optimal database performance, increase querying speed up to 40% faster.
- Provided thread-safe data solutions, eliminating race conditions and reducing the occurrence of deadlocks.
- Implemented cron-based scheduling for **Spring Batch** jobs, orchestrating timely and automated execution of critical data processing tasks.
- Integrated **Google Geolocation APIs** to enable real-time tracking of vehicles within designated regions.
- Utilized **Amazon ECR** for containerized deployments, enhancing the reliability and consistency of Spring Batch application releases.
- Worked with cross-functional teams, including DevOps and QA, to ensure a system optimization and performance enhancements.
- Monitored application performance using **AWS CloudWatch** tools and dashboards, proactively addressing potential issues and ensuring high availability.
- Automated repetitive tasks and processes using **Python** scripts to improve operational efficiency.

MS Office Renovation for CPO | *Business Project*

— **Stack </>**: MS Excel, VBA.

- Designed and developed **VBA macros**: Create customized VBA macros and scripts that automate repetitive tasks, enhance data processing, and optimize Excel-based workflows.
- Gathered feedback from users and stakeholders to identify areas for improvement and refine both existing VBA solutions and documents.
- Documented code, processes, and functionalities for reference and future maintenance. Kept scripts up-to-date with evolving business needs.

Budgeting and Forecasting Application (QA) | *Business Project*

— **Stack </>**: VB.NET, Winform, SQLServer.

- Wrote detailed and clear test cases based on functional specifications, user stories, covering features, and functionalities.
- Performed regression & user interface testing.
- Validated the integrity of data processing, storage, and retrieval within the data sources.
- Provided feedback on the testing process, suggested process improvements, and contributed to testing methodologies and best practices.

E-Commerce Platform for household tools and appliances | *Business Project*

— **Stack </>**: Java, Spring Boot, AEM, Postgres, XML, AWS.

- Learned to customize and extend AEM components under the guidance of experienced team members.
- Implemented AEM solutions, ensuring alignment with backend services and data architecture.
- Analyzed and optimized performance, identifying bottlenecks and implementing improvements.
- Participated in code reviews and contributed to the continuous improvement of development processes.

E-learning Platform | *Academic Project* | *GitHub*

— **Stack </>**: Javascript, Node.js, React.js, MUI, MySQL, Redux Toolkit.

- Coordinated with a group of four to construct a feature-rich server-client monolithic architecture system.
- Created and refactored database entities, relationships, and queries.
- Built a dashboard using React.js and implemented its features with RESTful APIs.
- Implemented role-based access functionalities to regulate user permissions and access levels.
- Integrated Cloudinary APIs for video storage and streaming.
- Documented system features for further development in the future.

INTERESTS

Machine Learning Fields: Generative AI, Natural Language Processing, Computer Vision, Data Analytic.

Outdoor Activities: Swimming & Running.

Computer Hardwares & Video Games.