NGUYEN CONG MANH
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SUMMARY

Software Engineer with over 6 years of working experience as researcher, developer and leader. Experienced in full stack development with Java Spring, NodeJS, VueJS, Angular, HTML5, CSS3 as well as highly skilled in requirement specifications, design, coding and testing.

Communicate effectively, confidently in both written and verbal. I'm eager to learn new technology and looking for a challenging environment to strengthen my knowledge.

EDUCATION

2011 - 2015

Ha Noi University of Science and Technology, Vietnam.

Bachelor in Electronic and Computer Engineering.

WORK EXPERIENCE

2015-08 – 2020-05   Software Engineer at Toshiba Software Development of Viet Nam

Project #1: Develop a Linux application for the self-drive car demo.

- Research and develop an algorithm to detect and recognize object using stereo camera and proximity sensor on embedded board of Toshiba for self-drive car.
- Develop automation test for these image recognition algorithms and deploy project on Jenkins CI to improve project quality and stability. It's more effective for project team to manage source code and maintenance.
- Research and experiment these image recognition algorithms on other embedded board such as Raspberry Pi to evaluate the system efficiency and improve the quality, efficiency and accuracy of algorithm.

Project #2: Develop nursing care rehabilitation system web application.
- Develop feature to collect and manage data from patients from 6 survey forms with a thousand of fields.
- Develop feature to import survey data from other systems.
- Develop schedule task to generate analysis file by each patient and facility.
- Develop feature to exclusively lock editing survey form.
- Develop feature to export analysis data and preview survey form into PDF and excel file.
- Develop VBA script to decrypt sensitive patient information using to update analysis excel file by each patient.

Project #3: Develop quality record management tool web application
- Develop feature to save test specification, test result, review minutes analysis and bug list excel files into database.
- Develop feature to search and analysis for review minutes and test quality data.
- Develop feature to support searching and comparison project quality.
- Develop feature to export project quality data excel file for reporting and printing.

Project #4: Develop AI data training variation directory web application.
- Develop feature to manage AI data directory by each user.
- Develop feature to help a trainer can be labeling, modeling and extracting to separated objects and background on image for AI system can be learning.
- Develop feature to allow user download large amount of data training directory by zip file.

Project #5: IoT Standard Pack system
- Develop feature to monitor device/equipment and visualize measurement information from factory, railway, etc.
- Develop feature to analysis sensor data from client side.
- Develop feature to send waring email to customer about device status using SendGrid service.
- Manage and monitor project with 5 persons to maintain and customize for each customer.
- Actively communicate with customer about project plan, solution suggestion and problem-solving.
- Actively mentor new generation talented developer.

Project #6: TCC monitoring system
- Develop feature to monitor air-cooled chiller, heating system and lighting produced by Toshiba Carrier.
- Develop feature to visualize device information on web browser using VueJS framework.
- Develop authentication and authorization feature with AzureAD using msal.js
- Manage and monitor project with 2 persons.
- Actively communicate with customer about project plan, solution suggestion and problem-solving.

2020-11 – Present   NashTech Limited Company

Project #1: Core insurance system maintenance
Maintain core system of the top leading insurance solutions company in the UK by:
- Delegate and maintain the old presentation and business layer to the new Spring component related to manage a policy, quote and payment mainly.
- Migrate from the old EJB to the new Restful API for multiple devices and clients.

Project #2: Data manipulation system
Provide a solution to delete the insurance data violated the GDPR compliance for multiple insurance brokers and clients in the UK by:
- Design system serverless architecture for deletion insurance solution on multi-tenant with AWS service such as: Lambda, Event Bridge, S3, DynamoDB, CloudWatch and AWS Batch.
- Develop UI dashboard to manage tenant, system configuration, configuration rule, deletion schedule as well as manipulate the deleted insurance data.
- Develop the Lambda function to manage and configure deletion rule, create a schedule deletion rule with AWS Event Bridge and manipulate the deleted data with exclusion specific records as well as restore the deleted data in the safeguard period.
- Develop a service to backup and delete violated insurance data from over 100 tables data on AWS Batch for multiple tenants.

TECHNICAL COMPETENCE

- **Languages**: C, C++, Java, NodeJS, PHP, VBA, JavaScript, HTML, CSS.
- **Cloud**: Azure Cloud, AWS
- **Frameworks**: Spring, Phalcon, Bootstrap, Angular JS, VueJS
- **Development Tools**: Eclipse, IntelliJ IDEA, WebStorm, Visual Studio Code.
- **Systems**: Window Server, Linux distributions (Ubuntu, CentOS), MacOS.
- **Databases**: OracleSQL, MySQL, PostgresSQL, MS-SQL, DynamoDB.
- **Others**: SVN, GIT, Jenkins CI, Docker.

PERSONALITY AND SOFT SKILLS

- Persistently working under high pressure.
- Interpersonal skills, presentation skills, and good team player.
- Creative and critical thinking skills
- Leadership skills

HOBBIES AND INTERESTS

- Photography
- Reading books
- Football