



# Nguyen Anh Khoa

Front-end Developer

**Date of birth:** October 15, 1992  
**Gender:** Male  
**Phone:** 097 976 1692  
**Email:** edisonvn92@gmail.com  
**Address:** Hanoi, Vietnam  
**Website:** <https://www.linkedin.com/in/anh-khoa-nguyen-09a0a9122/>

## SUMMARY

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- Frontend Developer with 4 years of experience, specialized in NodeJS, AWS and Frontend Development - Currently working at Kaopiz Software Co.
- Competitive and like working under high pressure.
- Eager to learn new things and learn very quickly to get used to new technologies used in new projects
- Strong skill sets in working with Javascript language: NodeJS, Angular CLI, VueJS, React, specialized in Frontend Frameworks.
- Extensive knowledge in AWS services: Lambda, Cloudformation, IAM, IoT, Codebuild
- Have experience in environment setup, CI/CD, and backend development
- Very experienced in writing English reports/essays
- Fluent/native English speaker. Intermediate Chinese and Japanese skills.

## EDUCATION

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|------------------------|---|
| January 2017 - now     | <b>FUNIX Online University, FPT</b><br>Major: Computing<br>Web Design, Java, Web Design, Unity  |
| August 2010 - May 2018 | <b>National University of Singapore (NUS)</b><br>Major: Chemical Engineering,<br>Design Project, final year project, Project management |

## SKILLS

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|-----------------------------|---|
| <b>Language</b>             | English: fluent/native speaker<br>Japanese: basic<br>Chinese: Intermediate skill          |
| <b>Programming language</b> | HTML, CSS, Javascript/NodeJS, Typescript, Java, Java Web, Python                          |
| <b>Framework</b>            | Angular CLI, Spring MVC, VueJS, Express   |
| <b>Libraries</b>            | Angular Material, Bootstrap, rxjs, axios, Bootstrap Vue, Bulma, Amazon Amplify, Armcharts |
| <b>Databases</b>            | MySQL, MS SQL Server, DynamoDB  |
| <b>Source control</b>       | Git, SVN  |

|                                  |  |
|----------------------------------|--|
| <b>Cloud Service</b>             | AWS: Lambda, S3, EC2, CloudFormation, IAM, Cloudfront, APIGateway, Cognito, IoT Core, RDS, SNS, Connect, Kinesis, Athena, VPC, Route53 |
| <b>CI/CD tool</b>                | CircleCI, CodeBuild, CodePipeline  |
| <b>Documentation/Design tool</b> | Swagger, Invision, Figma, SequenceDiagram  |
| <b>Management tool</b>           | Jira   |
| <b>Additional Tools</b>          | Visual Studio, Photoshop, Unity, MS Visio, Matlab, Android Studio, Eclipse, Postman, WSL (Window Subsystem for Linux)                  |
| <b>Soft skill</b>                | Project management, Team leading, self-learning,   |

## CONTACTS

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Email: edisonvn92@gmail.com  
 LinkedIn: <https://www.linkedin.com/in/anh-khoa-nguyen-09a0a9122/>  
 Github: <https://github.com/edisonvn92/>  
 Skype: edisonvn92  
 Yalo: 0979761692

## WORK EXPERIENCE

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|                            |  |
|----------------------------|--|
| Aprill 2022 - now          | <b>MBBank</b><br>Frontend Developer<br>Main Responsibilites: <ul style="list-style-type: none"> <li>- Worked in go-live projects serving customers and the staffs of the bank</li> <li>- Worked with a team of 20 people in the project, with 4 people in frontend side</li> </ul> Achievement: <ul style="list-style-type: none"> <li>- Developed various new features for the website, relating to lending, disbursement and other related banking features</li> <li>- Deployed many of those features and received good feedback from customers</li> <li>- Maintained the site being assigned and fixed any bugs that occurred on live website</li> </ul> Gains: <ul style="list-style-type: none"> <li>- Vastly more experienced in Frontend Development, especially Angular skill and creating forms in frontend</li> <li>- Gain more experience in working in large team, coordinating with other teams to work on certain problem</li> <li>- Gain more experiences in working with massive, ongoing projects-</li> </ul> More experienced in Git and project management |
| February 2021 - April 2022 | <b>Kaopiz Software Co</b><br>Frontend Developer<br>Main Responsibilites: <ul style="list-style-type: none"> <li>- Work in 2 projects as main Frontend Developer</li> <li>- For first project: work as a team leader for 2 members in frontend team</li> <li>- Second project: work as a core member for 4 members frontend team</li> </ul> Achievement:  |

- Created an Angular base for both projects at the beginning of the projects.
- Created a new website in both project, first project has about 40 screen, second project currently has 80 or more screen
- Was the core member responsible for drawing charts for both of the projects, creating about 10-20 charts for the website
- Succeeded in deploying all the current projects to AWS
- Held main responsibility for both website and first project has closed successfully

Gains:

- Vastly more experienced in Frontend Development, especially Angular skill and using library to create chart
- Gain more experience in working in large team, coordinating with other teams to work on certain problem
- More experienced in Git and project management

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January 2020 - January 2021

### **FPT Software**

Developer

Main Responsibilities:

- Work in 2 projects in total and have different role in each project
- For the first project: Worked on the Frontend side to update the UI of the projects and refactor the code
- For the second project: Lead a team of 3 to research on how the projects to AWS using different CI/CD, finally decided on deploying the projects using Codebuild
- Fixed bugs that appeared on Frontend side

Achievement:

- Updated the UI of the project, is responsible for the update of Dashboard view
- Succeeded in deploying all the current projects to AWS and gained the additional contract from customer for developing the new project. The project is currently under development of 8 people

Gains:

- Extensive knowledges about various AWS services, most importantly Lambda, APIGateway, CloudFormation, IAM, Codebuild
- Skills about CI/CD deployment
- Python, NodeJS skillsets
- More experienced in VueJS skills
- Work independently, take responsibility of own project
- Organize and control the project and team

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August 2019 - December 2019

### **FPT Software**

Trainee/Fresher

Achievement and gains:

- Learnt and gained skills, knowledges in Web Development, including the languages like HTML, CSS, Javascript
- Trained in team and learnt about Front-end Framework, like React and Angular
- Worked on projects to improve proficiency in Angular development
- Learnt and improved the soft skills: Representation skill, communication skill, teamwork skill.

- Achievements: Leader of the group that got first-place in Code War Competition at FPT Software

March 2019 - June 2019

### **IFI Solution Co**

Internship

Main responsibilities:

- Studied and learnt how to program and design Front-end Projects, using Angular, or AngularJS.
- Created graphs (Bar graph, pie graph, and line graphs) in the project from D3.js library.
- Created a back-end base using Java Spring Boot and MySQL.

Achievement and Gains:

- Self-learning how to program the front-end projects using framework like Angular, D3, resulting in the project detailed below
- Working in team and integrating the results of the front-end project to back-end base of the partner.

## **PROJECTS**

### **BIZ(Work project)**

(April 2022 - now )

|                            |   |
|----------------------------|---|
| <b>Customer</b>            | MBBank  |
| <b>Description</b>         | The project is to maintain and create new features for a live website serving the customers and staffs of the bank, the parts being assigned is related to lending  |
| <b>Team size</b>           | 4   |
| <b>My position</b>         | Team Member   |
| <b>My responsibilities</b> | <ul style="list-style-type: none"><li>- Worked in a team of 4 to work on Frontend side to create new features and fix any bugs found on the site</li><li>- Discuss new design and the workflow of new features</li><li>- Follow closely the design and create the new features for the website</li><li>- Responsible for some of the hardest forms in the features created</li><li>- Review the code of the members</li><li>- Deploy the Frontend project using Jenkins</li></ul> |
| <b>Technologies used</b>   | <ul style="list-style-type: none"><li>- Angular, HTML, CSS, Bootstrap, Typescript,</li><li>- Jenkins, Gitlab</li></ul>  |

### **HMS(Work project)**

(September 2021 - April 2022)

|                            |  |
|----------------------------|--|
| <b>Customer</b>            | X Hospital   |
| <b>Description</b>         | The project is to create admin websites to control and check the states of asthma patients in a hospital. This is a POC project that has potential to be used commercially   |
| <b>Team size</b>           | 2  |
| <b>My position</b>         | Team Leader  |
| <b>My responsibilities</b> | <ul style="list-style-type: none"><li>- Leads a team of 2 to work on Frontend side to create a new admin website</li><li>- Break tasks and assign tasks for other members of the team</li><li>- Responsible for the whole frontend side of the project</li><li>- Create a base for Angular for the website</li><li>- Decide on which technology to use in the project and explain the reason to the customer</li><li>- Write and update documentations/basic design for the project.</li><li>- Review DB design and API design of other teams</li><li>- Review the code of the members</li></ul> |

|                          |  |
|--------------------------|--|
|                          | <ul style="list-style-type: none"> <li>- Deploy the Frontend project to AWS</li> <li>- Support installing infrastructure on AWS</li> </ul>   |
| <b>Technologies used</b> | <ul style="list-style-type: none"> <li>- Angular, HTML, CSS, Bootstrap, Typescript, Amcharts</li> <li>- AWS services: S3, Cloudfront, CodeBuild, Codepipeline, Cloudformation</li> </ul> |

## RESPI (Work project)

(February 2021 - September 2021)

|                            |   |
|----------------------------|---|
| <b>Customer</b>            | X Hospital  |
| <b>Description</b>         | The project is to create admin websites to control and check the states of the patients of heart disease in a hospital. This is a POC project that has potential to be used commercially  |
| <b>Team size</b>           | 4   |
| <b>My position</b>         | Core member   |
| <b>My responsibilities</b> | <ul style="list-style-type: none"> <li>- Work in a team of 4 to work on Frontend side to create a new admin website</li> <li>- Responsible for some of the hardest part in the website, drawing chart and creating pdf</li> <li>- Decide on which technology to use in the project and explain the reason to the customer</li> <li>- Write and update documentations/basic design for the project.</li> <li>- Review DB design and API design of other teams</li> <li>- Review the code of the members</li> </ul> |
| <b>Technologies used</b>   | - Angular, HTML, CSS, Bootstrap, Typescript, Amcharts   |

## CBPJP (Work project)

(January 2020 - January 2021)

|                            |   |
|----------------------------|---|
| <b>Customer</b>            | Lixil Group   |
| <b>Description</b>         | The project is to create admin websites to control and check the states of the toilets automatically in mutiple buildings. The toilets will send reports regularly and send messages if there are errors occuring. This is a new project from different sector of the customer  |
| <b>Team size</b>           | 8   |
| <b>My position</b>         | Team Leader   |
| <b>My responsibilities</b> | <ul style="list-style-type: none"> <li>- Leads a team of 8 to research on how the projects to AWS using different CI/CD</li> <li>- Break tasks and assign tasks for other members of the team</li> <li>- Responsible for contacting with customer and onsite member to decide on the tasks in sprints and the direction of the project</li> <li>- Researches about CI/CD and provides suggestion to deploy using Codebuild of AWS</li> <li>- Write and update documentations for the projects</li> <li>- Currently mainly responsible for Frontend segment of the project.</li> <li>- Review the tasks on Frontend side and is key member in writing the new Frontend page</li> <li>- Give customer recommendations and directions on how to improve the current project</li> </ul> |
| <b>Technologies used</b>   | <ul style="list-style-type: none"> <li>- VueJS, HTML, CSS, Bootstrap VueJS, Typescript</li> <li>- Python, NodeJS</li> <li>- AWS services: Lambda, S3, EC2, CloudFormation, IAM, Cloudfront, APIGateway, Cognito, IoT Core, RDS</li> </ul>   |

## CBP (Work project)

(January 2020 - June 2020)

|                            |  |
|----------------------------|--|
| <b>Customer</b>            | Lixil Group  |
| <b>Description</b>         | The project is to create admin websites to control and check the states of the toilets automatically in mutiple buildings. The toilets will send reports regularly and send messages if there are errors occuring. |
| <b>Team size</b>           | 15   |
| <b>My position</b>         | Frontend Developer   |
| <b>My responsibilities</b> |  |

|                          |   |
|--------------------------|---|
|                          | <ul style="list-style-type: none"> <li>- Works on the Frontend side to update the UI of the projects and refactor the code</li> <li>- Read the design and write documentation about the changes and modification needed</li> <li>- Rebuild the base for the whole frontend project</li> <li>- Follow design on Invision and is responsible in building 2 main pages about Device control and Profile view</li> <li>- Fixed bugs that appeared on Frontend side</li> </ul> |
| <b>Technologies used</b> | - VueJS, HTML, CSS, Bootstrap Vue, Bulma, Armcharts   |

## Social Network App (Work project)

(November 2019 - December 2019)

|                            |   |
|----------------------------|---|
| <b>Customer</b>            | FPT Software  |
| <b>Description</b>         | The project is to create a social network website from frontend side, using Angular. The website has the following features: sign-in, sign-out, view list of articles, change settings, adding articles, comments, interacting with articles and other users.   |
| <b>Team size</b>           | 1   |
| <b>My position</b>         | Front-end programmer/developer  |
| <b>My responsibilities</b> | <ul style="list-style-type: none"> <li>- Analyzes the technical and overall requirement for the projects</li> <li>- Works on time management, design process for the projects</li> <li>- Creates the backbone HTML and CSS design using Bootstrap</li> <li>- Develops the whole project using Bootstrap and Angular Framework, and NodeJS</li> <li>- Optimizes the code to make it more readable</li> <li>- Tests for functionalities and fixes bugs</li> </ul> |
| <b>Technologies used</b>   | - Angular, HTML, CSS, Bootstrap   |

## Assignments App (Work project)

(September 2019 - November 2019)

|                            |  |
|----------------------------|--|
| <b>Customer</b>            | FPT Software   |
| <b>Description</b>         | <p>The compilation of all the projects done using Angular during the time training in Fresher Academy at FPT Software. The apps is navigated at home page. It includes:</p> <ul style="list-style-type: none"> <li>- Todo-app that adds and removes tasks that needs to be remembered.</li> <li>- Table-app that loads the data from the database and can be sorted as the user wants.</li> <li>- Form-app that implements a forms in 2 ways: template-driven form and reactive form.</li> <li>- Email-form replicates the behaviors of an email app, that can show list of emails and open individual email</li> <li>- Video-app that can search video from Youtube using Youtube API. This whole app is done with Angular Material library.</li> </ul> |
| <b>Team size</b>           | 1  |
| <b>My position</b>         | Front-end programmer/developer   |
| <b>My responsibilities</b> | <ul style="list-style-type: none"> <li>- Study and learns about Angular feature</li> <li>- Design and develop the looks (HTML and CSS) of each projects as in the requirements.</li> <li>- Implement functionality for each projects using Angular.</li> <li>- Add routes for each app in the Assignment app, and adds some additional features that makes the app looks better.</li> <li>- Test for functionalities and fixes bugs</li> </ul>   |
| <b>Technologies used</b>   | - Angular, HTML, CSS, Bootstrap, Angular Material  |

## Alarm Clock (Education project)

(June 2018 - August 2018)

|                    |  |
|--------------------|--|
| <b>Customer</b>    | FUNIX  |
| <b>Description</b> | Make an Alarm App for Android using Android Studio, the app can register mutiple alarms and will call service to raise an alarm when the time registered arrives. User can change, add or delete the alarm as needed |
| <b>Team size</b>   | 1  |
|                    |  |

|                            |  |
|----------------------------|--|
| <b>My position</b>         | Programmer/Developer   |
| <b>My responsibilities</b> | <ul style="list-style-type: none"> <li>- Design the UI of the app</li> <li>- Write functions for add, change or delete function of the app</li> <li>- Create services and functions to connect to alarm service in Android</li> <li>- Add changing ringtones to the app</li> </ul> |
| <b>Technologies used</b>   | - Java, Android studio   |

### Unity Platform game (Education project)

(June 2018 - August 2018)

|                            |   |
|----------------------------|---|
| <b>Customer</b>            | FUNIX   |
| <b>Description</b>         | Make a platform game using Unity. The character is able to jump up down and move around, interact with the atmosphere, interact with NPC (enemies). The game has begin screen and ending screen with score shown. |
| <b>Team size</b>           | 1   |
| <b>My position</b>         | Programmer/Developer  |
| <b>My responsibilities</b> | <ul style="list-style-type: none"> <li>- Design 1 stage for the game</li> <li>- Make opening screen and other UI utilities</li> <li>- Create simple AI and other required code</li> </ul>                         |
| <b>Technologies used</b>   | - Unity, Javascript   |

### Design Project (education project)

(January 2018 - May 2018)

|                            |   |
|----------------------------|---|
| <b>Customer</b>            | NUS   |
| <b>Description</b>         | Design a downstream refinery process  |
| <b>Team size</b>           | 6   |
| <b>My position</b>         | Economic Analyzer   |
| <b>My responsibilities</b> | <ul style="list-style-type: none"> <li>- Lead a team of 6 people working on a project needing 7, due to 1 dropping out</li> <li>- Analyze the requirement, the process needed, the time needed for each part of the project, and divide the job for each member in the team</li> <li>- Draws PFD and PID</li> <li>- Process optimization</li> <li>- Cost estimation</li> <li>- Economic Analysis</li> <li>- Writes an executive summary report</li> </ul> |
| <b>Technologies used</b>   | - Aspen HYSYS, MS Visio, MS Doc, MS Excel, MS Powerpoint  |