**Dung Nguyen**

Full-stack Software Engineer Lead

Email: [chidung091@gmail.com](mailto:chidung091@gmail.com)

**SUMMARY**

* Highly skilled in JavaScript programming with 5 years of experience.
* Have a deep understanding of using NodeJS for server-side development.
* Strongest experience in building WebAPI using frameworks such as: ExpressJS, NestJS.
* Work completely with both SQL and NoSQL databases such as: MySQL, MongoDB, DynamoDB.
* Familiar with Back end - Front end communication using HTTP protocol and RESTful API Standard.
* Have a good mindset about Web Services, Microservices.
* Aim to become a professional solution architecture.
* Good knowledge with system design, familar with microservices architecture.
* Have experience in web application deployment, using Docker, used to build CI/CD pipeline with GitlabCi and Github Actions, Argo Workflows.
* Have some experience working in chat-bot industry, speech recognition.
* Proficient in using cloud platform AWS, used to work with sereral services in AWS such as: EC2, RDS, S3, Lambda, DynamoDB, etc.
* Ready to adapt to new technologies customer needs in the future
* Hard working and high responsibility with assigned tasks. Could work overtime upon request.
* Ability to work as an individual as well as a good team worker.

**TECHNICAL SKILLS**

* **Professional Programming Languages:** JavaScript, TypeScript.
* **Back-end Platform/Libraries/Frameworks:** NodeJS, Express, NestJS, Firebase Cloud Functions, DialogFlow CX
* **Front-end Platform/Libraries/Frameworks:** ReactJS, VueJS, MaterialUI, TailwindCSS.
* **Databases:** Firebase Cloud Firestore,MySQL, MongoDB.
* **Deployment:** Linux Debian/Ubuntu, Docker, Docker Compose, Kubernetes, Gitlab CI/CD, Github Actions
* **Version Control Tools:** Git.

**PROFESSIONAL EXPERIENCE**

**APRIL 2023 – NOW**

**Company: FPT Software**

**Project: OLSP**

**Description:**

**Overseas Line Station Portal is Singapore Airlines project to improve inventory visibility and situational awareness of aircraft parts and shipments between Singapore and Overseas Line Stations. It helps Singapore Airlines to:**

* Reduce manual effort by digitizing, simplifying and automating processes
* Support critical decisions during AOG events
* Reduce operational turnaround time
* Support management aircraft components digitizing

**Team Size:** 12

**Role**: Backend Lead Developer

**Responsibilities:**

* Work directly with customer to understand their business and the current flow of the project.
* Join daily meetings, receive requirements from customer and participate in estimation process.
* Analyze customer’s requirements, design database and the logic flow for new features.
* Implement features for the application by writing RESTful APIs and their unit tests.
* Maintain current features by changing the logic upon requirement changes.
* Propose new design to improve the current system.
* Review code for each pull request with other team members.
* Work with QA team to troubleshoot and fix critical issues on production.

**Technologies Used:** NodeJS, ExpressJS, NestJS, TypeScript, Kafka, IBM MQ, AWS Lambda, SQS, S3, MySQL.

**Working Model:** Agile/Scrum.

**MARCH 2022 – MARCH 2023**

**Company: Sotatek**

**Project: S-Wallet**

**Description:**

S-Wallet is an E-Wallet application used for gas payment purpose. S-Wallet allow people to order for a refuel for their vehicles and make payment using it. The gas station will have an electric pump to receive data from passenger. When customer arrive, they will go to exact ordered pump and scan QR code show in electric pump to start fueling the vehicle.

S-Wallet backend uses NodeJS as its platform with NestJS framework, and TypeScript as its programming language. The whole application is deployed and runs on AWS Cloud infrastructure, with usage of several services such as Kubernetes, Kafka, Redis, MongoDB, SQS, S3. In this project, I joined as a Team Leader & Backend Developer of the team.

**Team Size:** 7

**Role**: Team Leader

**Responsibilities:**

* Work directly with customer to understand their business and the current flow of the project.
* Join daily meetings, receive requirements from customer and participate in estimation process.
* Analyze customer’s requirements, design database and the logic flow for new features.
* Implement features for the application by writing RESTful APIs and their unit tests.
* Maintain current features by changing the logic upon requirement changes.
* Propose new design to improve the current system.
* Review code for each pull request with other team members.
* Work with QA team to troubleshoot and fix critical issues on production.

**Technologies Used:** NodeJS, NestJS, TypeScript, Kubernetes, Kafka, Lambda, SQS, S3.

**Working Model:** Agile/Scrum.

**OCTOBER 2021 – MARCH 2022**

**Company: Sotatek**

**Project: Logistika**

**Description:**

Logistika is a project in logistics industry, this includes the planning, execution and supervision of transport. Project is build for customers and business to send packages to other people. It’s build to replace traditional logistics system when it’s need to calculation everything manually.

Logistika backend uses NodeJS as its platform with NestJS framework, and TypeScript as its programming language. Frontend uses TypeScript with ReactJS library for development. The whole application is deployed and runs on AWS Cloud infrastructure, with usage of several services such as Kubernetes, Kafka, ALB, MongoDB, SQS, S3. In this project, I joined as a Team Leader, Full-stack developer & maintainer of the team.

**Team Size:** 5

**Role**: Team Leader

**Responsibilities:**

* Work directly with customer to understand their business.
* Join daily meetings, receive requirements from customer and participate in estimation process.
* Analyze customer’s requirements, design database and the logic flow for new features.
* Work with UI/UX designers, provide feedback on their design and discuss with them to improve application’s UI/UX.
* Implement features for the application by writing RESTful APIs and their unit tests.
* Take part in application’s UI development by building some screens in the design.
* Maintain current features by changing the logic upon requirement changes.
* Review code for each pull request with other team members.
* Work with QA team to troubleshoot and fix critical issues on production.

**Technologies Used:** NodeJS, NestJS, TypeScript, ReactJS, MongoDB, Kubernetes, Kafka, SQS, S3.

**Working Model:** Agile/Scrum.

**March 2021 – September 2021**

**Rabiloo Inc**

**Project: Chatbot System**

**Project Description:**

Chatbot System is a project for Systran vendor. This project will receive message from French user at real-time, and return what information user need without having customer agent support.In this project, I joined as a Back-end developer & maintainer of the team.

**Team Size:** 6 members

**Role:** Backend Developer.

**Responsibilities:**

* Design database to saving content for training chatbot
* Discuss with BA and comter to clearify requirements.
* Work with the UI and UX team to design the flow based on UI.
* Discuss with teammates and Project Manager to find solutions.
* Review code of members.
* Optimize performance for the Node.JS application by reducing redundant rendering.
* Connect with Tensorflow docker image build by customer vendor to get the answer and training the answer for return to end user

**Technologies Used:**

* **Back-end**: NodeJS, ExpressJS, Tensorflow, MongoDB
* **SCM:** Git, Gitlab.
* **Software Methodology:** Agile/Scrum.

**March 2020 – March 2021**

**Rabiloo Inc**

**Project:** Centrum Chat-bot

**Project Description:**

Centrum chat-bot is a project for supporting answer some simple question is user who is teachers/tutors for English teacher customer in Japan. Everyone when using centrum when have some difficulty when using the software or having some question about FAQ or wants to report some problem will chat with this chat-bot

**Team Size:** 5 members.

**Role**: Full-Stack Developer.

**Responsibilities:**

* Design database with Firebase Cloud Firestore to optimize cost and clean design database.
* Create API, api documents and integrate with front-end.
* Integration with Dialogflow to design some based question and feature for user to chat and select
* Discuss with BA and comter to clearify requirements.
* Participate in application’s UI development by building some screens in the design.
* Take responsibility for the progress & output of development team.
* Work with the QC team to troubleshoot and resolve critical issues in the back-end system.
* Optimize performance for the ReactJS application by reducing redundant rendering.
* Review code for each pull request of member.
* Support members for any issue they meet.

**Technologies Used:**

* **Web App**: NextJs, TailwindCSS, SASS.
* **Back-end:** GCP, Firebase Cloud Functions, Firebase Cloud Firestore, Restful API, Dialogflow CX
* **SCM:** Gitlab.
* **Software Methodology:** Agile/Scrum.

**January 2019 – March 2020**

**ITSOL Inc.**

**Project:** Digital Banking System

**Project Description:** Digital Banking System is a huge project of SeaBankwhich is a Vietnamese banking company. That project is development a system for business customer to control money for business and doing some task for business customer like pay salary to employee, exchange money currency for pay to foreign customer.

**Team Size:** 20 members.

**Role**: Front-end Developer.

**Responsibilities:**

* Discuss with customers to clearify requirements.
* Participate in developing and implementing user interface for the front-end app using Angular , HTML, MaterialUI, SASS.
* Use Browser developer tools to troubleshoot and identify problems on the front-end.
* Work with the QC team to troubleshoot and resolve critical issues in the webapp.
* Optimize performance for the Angular application by reducing redundant rendering.
* Discuss with teammates and technical leader to find solutions.

**Technologies Used:**

* **Web App**: Angular, HTML5, CSS3, SASS.
* **Back-end:** Java, Spring, Restful API, Linux.
* **SCM:** Github.
* **Software Methodology:** Agile/Scrum.

**January 2018 – January 2019**

**ITSOL Inc.**

**Project:** School Management System

**Project Description:** School Management System is a huge project of Viettelwhich is a Vietnamese VNR500 Company. That project is development a system for school to management student.

**Team Size:** 20 members.

**Role**: Full-stack Developer.

**Responsibilities:**

* Discuss with customers to clearify requirements.
* Participate in developing and implementing user interface for the front-end app using Angular, HTML, MaterialUI, SASS.
* Use Browser developer tools to troubleshoot and identify problems on the front-end.
* Work with the QC team to troubleshoot and resolve critical issues in the webapp.
* Optimize performance for the Angular application by reducing redundant rendering.
* Discuss with teammates and technical leader to find solutions.
* Writing Restful API, documents for API and integrated with front-end

**Technologies Used:**

* **Web App**: Angular, HTML5, CSS3, SASS.
* **Back-end:** NodeJS, NestJS, TypeScript, ReactJS, MongoDB, Kubernetes, Kafka, SQS, S3.
* **SCM:** Github.
* **Software Methodology:** Agile/Scrum.