

# Quang Nguyen

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## EDUCATION & Overall Information

**Duy Tan University - Linked CMU (Carnegie Mellon University)**

**Da Nang, Viet Nam**

*Software Engineering (GPA: 3.48/4)*

*Graduation Date: 2017*

- **Cert:** Fundamental of Computing
  - **Cert:** Object Oriented Programming - C++ (OOPC)
  - **Cert:** Distributed Scalable K8s - LinkedIn
  - **Cert:** Cloud API Monitoring - GCP Boots Camp
  - **Personal Brief:**
    - I have over 8 years of experience in IT fields, including 6 years as a Full-Stack Developer, 2 years in Application Architecture, and 1 year in Software Architecture.
    - My architectural focus has been on designing scalable, maintainable, and secure systems, with a strong understanding of DevOps practices and cloud-native development.
- I hope that with technical depth and architectural vision will add value to any team, company project and company product vision, also I really excited to continue learning and growing while contributing to meaningful projects

## SKILLS & INTERESTS

### Skills:

- **Tools:** *Vscode, Webstorm, Atom, Git, Yarn, Npm, Jira, Trello, Lens K8s,*
- **Languages:** *Typescript, Javascript, PHP*
- **Database:** *MySQL, PostgreSQL, MongoDB, MariaDB, OracleDB*
- **Web framework - Library:** *Nodejs - NestJs/ExpressJs/Loopback, Reactjs - NextJs, Tailwinds, Antd, React Native, PHP/Laravel - Adonis, TypeORM, Prisma, MUI*
- **Proficient:** *Nodejs, Reactjs, Typescript*
- **Infrastructure & DevOps:** *Docker, K8s, AWS, GCP, Kafka, Bitbucket Pipeline, Github Actions*
- **Integration:** *GCP Cloud Functions, GCP Storage, GCP BigQuery, GCP Pub/sub, GCP Schedules, GCP Artifact Registry, GCP Cloud Run, GCP API & Service, GCP Document AI, AWS EC2 + ECR, AWS S3, AWS Amplify, AWS Cognito, Orkes Workflow. Snyk.com*
- **Architecture:** *Microservice, Event-Driven Architecture, Clean Architecture, DDD, System Design*

**Interests:** Reading Book, Football, Comic manga & Playstation.

## WORK EXPERIENCE

**One Tech Stop Vietnam**

**Da Nang, Viet Nam**

*Roles: Technical Architecture, Senior Fullstack Developer*

*Jan 2021– Present*

- **Chorus - Maintenance And Repairs (01/2025 - present):** Provide an integrated system that streamlines the end-to-end process of signing contracts for container maintenance and repairs. The workflow includes internal ONE users setting up prices and tariffs, collaborating with external vendors, and allowing vendor users to submit estimated billing before repairs begin.
  - o Team size: 10
  - o Techstack: *ReactJs - NextJs, NodeJs - NestJs, TypeORM, gRPC, GraphQL, PostgreSQL, GCP, Docker, Redis, Tailwind, DataDog,*
  - o Role: *Technical Architecture*
  - o Keys of Responsibility: *Build CI/CD workflow, System Design for APIs implementation plan, express high level architecture blueprint, Maintenance and develop infrastructure, design architecture, infrastructure and propose technical solutions for significant features, analyze functional requirements then provide NFRs, resolve critical bugs/issues/impediments or incidents, Monitor/analyze/validate NFRs (performance & security), manage technical backlog and technical roadmap, Integrate security as an integral part of the entire DevOps life cycle, apply infrastructure as code and manage different deployment environments, visualization idea through UML diagrams, identify potential risks in projects, including technical, operational, and security risks.*

- **E-OneQuotes (06/2022 - 12/2024):** Provide recommendations price for users who want to book the contract with Ocean Network Express logistic Company, conducting market research on 100k+ Port Pairs.
  - o Team size: 7
  - o Techstack: ReactJs - NextJs, NodeJs - NestJs, TypeORM, gRPC, RESTful, PostgreSQL, GCP, Docker, Redis, Tailwind
  - o Role: Senior Full stack Developer
  - o Keys of Responsibility: Collaborate with TA and PO to define a timeline and contribute project transit release plan, Integration Third-party Services, contribute manage the deployment process with CI/CD, Implement user interface, optimize performance with needed requirement from Biz, Maintain code quality by coaching junior middle devs, Contribute to documentation, Design and Implement APIs, Manage database Operations (schemas, queries), Adhere to Best Practices, Stay updated with Technologies, Participate in Agile Development.
- **Digital Marketing (01/2023 - 03/2024):** Build up system combines ideal CRM & Digital Marketing platforms including to service 10+ teams working with sales teams to identify campaigns and helping manage coupon services which target users.
  - o Team size: 7
  - o Techstack: Reactjs - NextJs, Nodejs - NestJs, TypeORM, gRPC, RESTful, PostgreSQL, GCP, Docker, Redis, Tailwind
  - o Role: Senior Full stack Developer
  - o Keys of Responsibility: Contribute manage the deployment process with CI/CD, Implement user interface, create sync-job with follow strategy which defined from our platform, optimize performance with query SQL more than 10 million records, Maintain code quality by coaching junior middle dev, Contribute to documentation, Design and Implement APIs, Manage database Operations (schemas, queries), Stay updated with Technologies, Participate in Agile Development.
- **E-Payment (06/2021 - 06/2022):** Be a part of the team who is conducting the payment gateway services which connect HSBC bank in 1 year.
  - o Team size: 8
  - o Techstack: Vuejs - Vux, Nodejs - ExpressJs, Mongoose, RESTful, MongoDB, Mocha, GCP, Docker, Tailwind
  - o Role: Senior full stack Developer
  - o Keys of Responsibility: Integration Third-party Services, Implement user interface, Communicate directly with Bank developer to gathering requirements and support them troubleshoot issues, Maintain code quality by coaching junior middle devs, Contribute to documentation, Design and Implement APIs, Manage database Operations (schemas, queries), Participate in Agile Development.
- **E-Training Management (04/2021 - 12/2021):** Provide the system which manages training courses from top-level managers, invite and encourage new members to join the company and get overall management process with Quizz system activity.
  - o Team size: 7
  - o Techstack: ReactJs - NextJs, NodeJs - NestJs, TypeORM, gRPC, RESTful, PostgreSQL, GCP, Docker, Redis, Tailwind
  - o Role: Technical Architecture
  - o Keys of Responsibility: Collaborate with TA and PO to define a timeline and contribute project transit release plan, Integration Third-party Services, contribute manage the deployment process with CI/CD, Implement user interface, optimize performance with needed requirement from Biz, Maintain code quality by coaching junior middle devs, Contribute to documentation, Design and Implement APIs, Manage database Operations (schemas, queries), Adhere to Best Practices, Stay updated with Technologies, Participate in Agile Development.
- **E-Calendar (01/2021 - 04/2021):** Build the E-Calendar services from scratch integrate with Google Calendar API to help the HR department sync up their booked schedule with candidates and also notification on mobile in 4 months.
  - o Team size: 6
  - o Techstack: Reactjs - NextJs, Nodejs - NestJs, Prisma, tRPC, RESTful, PostgreSQL, GCP, Docker, Tailwind
  - o Role: Technical Leader

- o Keys of Responsibility: Integration Third-party Services from GCP API schedule and calendar, Implement user interface, Maintain code quality by coaching junior middle dev, Contribute to documentation, Design and Implement APIs, Manage database Operations (schemas, queries)

## **Mandai Park Holdings Pte. Ltd**

**United States & Singapore**

*Roles: Remote Fullstack Developer, Senior Fullstack Developer*

*Aug 2017 - Jan 2021*

- **Mandai CIAM System (01/2018 - 01/2021):** With more than 2 years, successfully delivered the bridge system collaboration with Physical Port at Gate in, and other modules manage legacy users. Helping Mandai migrate legacy users to come up with new systems by multiple passkit providers. Expose APIs that other systems can use and manage RBAC internal applications.
  - o Team size: 6
  - o Techstack: NodeJs-Express, Mysql, Mysql2, RestfulAPI, Docker, AWS
  - o Role: Senior Backend Developer, DevOps.
  - o Keys of Responsibility: Integration APIs, Implement user interface, setup CI/CD, Contribute to documentation, Design and Implement APIs, Manage database Operations (schemas, queries), Integrate with AWS CIAM strategy with AWS Cognito, Manage streamline message user workflow registration.
- **Ember Fitness (08/2018 - 08/2019):** In 1 year, successfully delivered Ember Fitness which the web service provides the environment for coaching to connect with gym goers, serving 10k+ users including coaches and gym goers. Helping coaches storage their coach and editing based on their way and notify that feature for gym goers also.
  - o Team size: 5
  - o Techstack: ReactJs-NextJs, NodeJs-Loopback, Mongoose, RestfulAPI, MongoDB, Docker, AWS, Antd
  - o Role: Full stack developer
  - o Keys of Responsibility: Integration APIs, Implement user interface, setup CI/CD, Contribute to documentation, Design and Implement APIs, Manage database Operations (schemas, queries)
- **Clic Technology (03/2018 - 08/2018):** Integrate Google locate with visually the map box combined with GPS to provide driver get driving direction, live traffic map and road alert. Helping 1k+ drivers sharing their experiences when they are on the road and going live after 1 year.
  - o Team size: 5
  - o Techstack: ReactJs-NextJs, NodeJs-Loopback, Mongoose, RESTful, MongoDB, Docker, AWS, MUI
  - o Role: Full stack developer
  - o Keys of Responsibility: Integration APIs, Implement user interface, setup CI/CD, contribute deployment process with deploy docker image with EC2, storage manage by S3, Contribute to documentation, Design and Implement APIs, Manage database Operations (schemas, queries)
- **Veritas Strong (10/2017 - 02/2018):** In 4 months delivered this web service helping doctors create the patient regimens for treatment, as well as allow patients book doctors for carrying them, provide for users some common guiding treatment through their own premade course exercise. After going live we had gained 300+ users.
  - o Team size: 5
  - o Techstack: ReactJs-NextJs, NodeJs-Loopback, Mongoose, RestfulAPI, MongoDB, Docker, AWS, Antd
  - o Role: Full stack developer
  - o Keys of Responsibility: Integration APIs, Implement user interface, setup CI/CD, contribute deployment process with deploy docker image with EC2, storage manage by S3, Contribute to documentation, Design and Implement APIs, Manage database Operations (schemas, queries)

## **SmartDev LLC**

**Da Nang, Viet Nam**

*Role: Junior Fullstack Developer*

*April 2016 – Aug 2017*

- **Boobytrap (04/2017 - 08/2017):** The mobile application builds up the community through the app and recommendations for breast cancer patients with another one having the same situation.
  - o Team size: 10
  - o Techstack: React Native, Nodejs - Adonis, RESTful
  - o Role: Fullstack developer

- o Keys of Responsibility: API design & implementations, Integration APIs, Implement user interface, Contribute to documentation, Participate in Agile Development, Monitor and Improved Application, Adhere to Best Practice
- **Price Observatory (11/2016 - 04/2017):** Collect price of goods which users want to search for, also provide some patterns to help users collect prices with competitors by themselves.
  - o Team size: 3
  - o Techstack: PHP/CodeIgniter, CURL
  - o Role: Backend developer
  - o Keys of Responsibility: Integration Third-party, use CURL crawling data by script, write tools support getting price competitor, Contribute to documentation, Monitor data.
- **Kitchen Pals (04/2016 - 11/2016):** Crawling data from BBC website which collect information related to dishes.
  - o Team size: 4
  - o Techstack: PHP/Laravel, RESTful, CURL
  - o Role: Backend developer
  - o Keys of Responsibility: Integration Third-party, write script that adaptation with CAPTCHA, Contribute to documentation, Monitoring data.

## LEADERSHIP EXPERIENCE

### Coaching

*Internship Program*

- Coaching and guiding 8 interns to match with Company Techstack (based on MERN)

### Third-ranked team

*OTSV Hackathon GO GREEN!*

**Da Nang, Viet Nam**

*Aug 2021 – Aug 2022*

**Da Nang, Viet Nam**

*Aug 2021 – Sep 2021*