Minh Tri Do

Software Engineer

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SUMMARY

As a recent graduate with a Bachelor's degree in Software Engineering from Ho Chi Minh City University of Science, I have gained valuable experience in web development using **Node.js, ReactJS, Python and Golang**. I am eager to contribute to projects and continue enhancing my skills as a software engineer.

EDUCATION

VNU-HCM, University of Science *Oct 2020 – Nov 2024*

B.Sc. in Software Engineering; High Quality Program. **GPA: 3.79/4.00**

EXPERIENCE

NashTech Ho Chi Minh City

Software Engineer *Aug 2024 – Present*

- Analyze requirements and issues provided by the BA.
- Collaborate with the team on backlog refinement, sprint planning, daily meetings, and manage tasks in Jira.
- Develop APIs and materialized views based on the design specifications and coding convention.
- Write Unit Tests to meet project code coverage standards and verify features in environments.
- Conduct Smoke Tests to ensure the features work as expected and align with sprint acceptance criteria.
- Perform Code Review for team members.
- Participate in meetings with US clients to discuss and plan features for upcoming sprints.

Software Engineer Fresher *Apr 2024 – Jul 2024*

- Trained in technical skills: Git, Web Foundations, PostgreSQL, Node.js, TypeScript, NestJS, ReactJS, GraphQL, Docker, AWS.
- Practiced English communication and presentation skills; participated in soft skills courses: Communication, Logical Thinking, Problem-Solving, and Time Management.
- Learned team collaboration using Scrum methodology and project management on Azure DevOps.
- Developed 02 projects using the above technologies and Scrum methodology, under the guidance of experienced mentors at NashTech.

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Frontend Software Engineer *Sep 2023 – Oct 2023*

- VNSHOP Project: Implemented the UI for products, categories, banners, best-selling items, flash sales, and promotion tabs using Next.js, Tailwind CSS. Additionally, integrated Craft.js for drag-and-drop functionality to create landing pages.
- Hanoi City Tour Project: Implemented a trip list, and a responsive header, footer, and dropdown menu.

Software Engineer Intern *Jun 2023 – Jul 2023*

- Designed the database and developed the Backend system to crawl data from vba.vn using LoopBack 4, Cheerio.
- Developed the Frontend application, including Club, Match, and Ranking pages using Next.js, Tailwind CSS.
- Integrated soccer sports functionality into the system.

PROJECTS

Tenity *Jan 2024 – Aug 2024*

- **Description:** This is my graduation project, an integrated platform for recreational tennis players, available on web and mobile. The application focuses on managing tournaments, live score updates, and detailed tournament statistics. It also offers features like group management, expense tracking, and supports affiliates in promoting their products. The project received an excellent score of 9.3/10.
- **Team size:** 6 members.

- **Role:** Full-stack Developer.
- **Responsibilities:**
  - Managed work items on Jira.
  - Researched tennis rules, wrote report and designed poster.
  - Implemented for tournament management, group management, and affiliate management.
- **Technologies:** React, MaterialUI, Redux Toolkit, React Native, Node.js, NestJS, Golang, Gin, PostgreSQL, MongoDB, Redis, AWS, Microservices, Micro-Frontends.
- **Links:** Demo, Backend, Frontend.

Online Asset Management *Jun 2024 – Jul 2024*

- **Description:** During the NashTech fresher program, I worked on a group project using Scrum methodology. The project included features for admins to manage users, assets, assignments, returning requests, as well as view report statistics. Staff members could view their own assignments and create returning requests.
- **Team size:** 8 members.
- **Role:** Full-stack Developer.
- **Responsibilities:**
  - Separated tasks, managed work items, and reviewed pull requests on Azure DevOps.
  - Designed the database schema.
  - Implemented features for viewing lists/details, searching, sorting, filtering, and pagination for users, assets, and returning requests. Also handled disabling users, deleting assets, and assignments.
  - Achieved 100% unit test coverage.
- **Technologies:** Node.js, NestJS, PostgreSQL, Jest, React, Next.js, ShadCN, Tailwind CSS.
- **Links:** Backend, Frontend.

Bookstore E-commerce *May 2024 – Jun 2024*

- **Description:** During the NashTech fresher program, I developed a comprehensive bookstore management system. It includes features for customers to view lists/details, search, sort, filter books, manage cart, place an order, as well as for admins to manage books, authors, categories, promotions, orders, reviews and users.
- **Responsibilities:**
  - Designed the database and built the customer site as a Single Page Application (SPA) while developing the admin site using the MVC pattern.
  - Implemented customer authentication with JWT and admin authentication with local Passport.
  - Developed all APIs for the system, covering functionalities for books, authors, categories, promotions, reviews, cart and wrote unit test for the services.
  - Integrated a WYSIWYG editor to allow admins to manage the About page.
- **Technologies:** Node.js, NestJS, Pug, PostgreSQL, Redis, GraphQL, Jest, React, Redux Toolkit, TinyMCE.
- **Links:** Demo, Backend, Frontend.

Advertising Management *Sep 2023 – Jan 2024*

- **Description:** A map-based application using Mapbox for managing advertising spots, billboards, and handling violation reporting in Ho Chi Minh City.
- **Team size:** 6 members.
- **Role:** Frontend Developer.
- **Responsibilities:** Implemented staff module features, including managing advertising spots and billboards, handling violation reports, licensing company billboards, authentication and authorization features.
- **Technologies:** ReactJS, Material UI, Mapbox, Node.js, NestJS, PostgreSQL, Nx Workspace.
- **Links:** Demo, GitHub.

Simple Bank *Oct 2023 – Dec 2023*

- **Description:** My personal project developed while learning Golang, featuring a backend web service for managing bank accounts. It includes functionalities for account creation, balance tracking, and money transfer transactions.
- **Responsibilities:**
  - Designed the database and built RESTful and gRPC APIs.
  - Implemented gRPC Gateway, secure the APIs with JWT and PASETO.
  - Developed HTTP logger middleware, integrated an async worker to create and send emails.
  - Wrote unit tests, built Docker image and deployed to AWS Kubernetes cluster.
- **Technologies:** Golang, Gin, Sqlc, Swagger, PostgreSQL, Redis, gRPC, Docker, Kubernetes, AWS, Unit Testing.
- **Links:** GitHub.

TECHNICAL SKILLS

Languages: TypeScript/JavaScript, Python, Golang, Java, C/C++.

Technologies: Node.js (NestJS, LoopBack 4, Express), ReactJS (Next.js), FastAPI, Gin, Chi.

Databases: PostgreSQL, MySQL, MongoDB, Neo4j.

Tools: Git, Postman, Docker, Kubernetes, AWS, Redshift, RabbitMQ, Kafka, Redis, Jira, Azure DevOps, VSCode.

Others: OOP, SQL, Design Patterns, SOLID Principles, RESTful API, GraphQL, gRPC, Microservices, Monorepo, CI/CD, Unit Testing, Scrum Methodology.

ACHIEVEMENTS

Gold Medal in Mathematics at The 2019 Excellent Student Competition in Cluster IV, Ho Chi Minh City.

Bronze Medal in Mathematics at The April 2018 Ho Chi Minh City Olympic Competition.

CERTIFICATES

TOEIC Speaking and Writing *Sep 2024*
Total Score: 280/400 (Speaking: 130/200 − Writing: 150/200).

TOEIC Listening and Reading *Sep 2023*
Total Score: 700/990 (Listening: 325/495 − Reading: 375/495).

Working with Microservices in Go (Golang) *Aug 2024*
Certified by Udemy.

Backend Master Class Golang + Postgres + Kubernetes + gRPC *Dec 2023*
Certified by Udemy.

Programming with Google Go *Nov 2023*
Certified by Coursera.