

Thanh Nguyen Do

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EDUCATION

Texas Christian University

GPA: 3.6/4.0

Bachelor of Science, Major in Computer Science, Minor in Mathematics

Relevant Coursework: Software Engineering, Computer Networks, Database Systems, Operating Systems, Object-Oriented Programming, Web Technologies, Mobile App Development, Data Mining and Visualization

Award: *Dean's Honor List, Career Readiness Scholarship, Faculty Scholarship* by Texas Christian University

Honors Society: Member of *Upsilon Pi Epsilon* - Honor Society for Computing and Information Disciplines

Certificates: [CodePath Advanced Web Development \(WEB 103\)](#), [JPMorgan Chase & CO Software Engineer Virtual Experience](#)

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Typescript, HTML, CSS, Kotlin, SQL, Python, C

Front-end: Next.js, React, Angular, React Native, Vue.js, Redux, Rxjs, Firebase, Bootstrap 5, MaterialUI, Figma

Back-end: Spring Boot, Apache Kafka, Sprint Data JPA, Hibernate ORM, Express.js, GraphQL, MongoDB, PostgreSQL, Supabase

DevOps: GitHub Actions, Jenkins, ArgoCD, Sonar, Docker, Kubernetes, AWS (ALB, RDS, EC2, EKS), Eureka, Render

WORK EXPERIENCES

FullStack Software Engineer Co-op, *UNT Health Science Center*, Fort Worth, Texas

August 2024 - Present

- Developed a health-tracking application in a team of 6, managing **1000+ user records** using **React Native** and **SpringBoot**
- Designed scalable, high-performance database by implementing the **storage layer** using **PostgreSQL** to store structured metadata and **MongoDB** to store flexible health data, ensuring efficient querying and improving data integrity across tables
- Built a responsive and intuitive mobile UI with **React Native** and **Figma**, allowing users to set health goals, schedule appointments, and track progress, delivering a seamless and engaging user experience
- Utilized **GitHub Actions to automate CI/CD pipelines**, streamlining auto-deployment processes for Dockerized applications on the **Render** deployment platform
- Technologies:** Java, JavaScript, React Native, SpringBoot, PostgreSQL, MongoDB, Docker, GitHub Actions, Render

FullStack Developer Intern, *ThankUPet*, Fort Worth, Texas (*Remote*)

May 2024 - August 2024

- Developed a CRM website for a small business, serving **100+ pet owners and pet sitters** using **Next.js** and **Supabase**
- Enhanced API performance by reducing average response time **from 500ms to 200ms** through pagination and optimized routing and middleware in **Express.js** and **Node.js**, enhancing scalability and user experience
- Integrated **SwaggerHub** to document **21 API endpoints** for important operation features such as appointment scheduling.
- Technologies:** Next.js, TypeScript, Express.js, Supabase, Planetscale, Stripe, Node.js

Software Engineer Intern, *FPT Software*, Hai Phong, Vietnam

June 2023 - August 2023

- Built a responsive real estate CRM website using **Angular.js**, enhanced with **Bootstrap 5** and **Material UI**, to streamline operations for **100,000+ households**, enabling customer support agents to handle inquiries more efficiently
- Implemented email/SMS notification systems and appointment scheduling features by integrating **15+ APIs** using **Django Rest Framework** for API design and **SMTP** for email handling
- Refined API calls with **RxJS**, improving real-time data sync performance by **50%**
- Technologies:** TypeScript, Angular.js, RxJS, Bootstrap 5, Material UI, Python, Django

PROJECTS

Idraiske Food Delivery Application | [Github Link](#)

- Built an **Angular** front-end with **Bootstrap 5** for restaurant listing, food catalogue, and order placement, serving **100+** daily users (metrics data)
- Designed and deployed microservices for restaurant, food, order, and user management using **Spring Boot**, automating **CI/CD pipelines via Jenkins, ArgoCD, and Sonar** along with **Docker** and **AWS EKS**, achieving 99.9% uptime
- Optimized **MySQL and MongoDB databases**, reducing query times by 30%
- Technologies:** TypeScript, Angular, Spring Boot, Microservices, Github, Docker, Kubernetes, MongoDB, Mongo Atlas, MySQL, JUnit, AWS EKS, AWS ALB, AWS EC2, AWS RDS (SQL), Sonar, Jenkins, ArgoCD

BookEZ | [Github Link](#) | <https://bookez.vercel.app>

- Engineered a comprehensive salon appointment booking platform utilizing **React.js**, **Express**, **Node.js**, and **PostgreSQL**; and enhanced UI/UX with **Material UI** components, reducing page load times by up to **4 seconds** across all devices
- Integrated interactive confirmation dialogs using **SweetAlert 2**, enhancing user interaction while decreasing booking errors by **30%**, ensuring an efficient appointment scheduling experience for salon clients
- Revamped **PostgreSQL** database schema and optimized queries, decreasing query times by **40%**
- Technologies:** JavaScript, React.js, Material UI, Sweet Alert 2, PostgreSQL, Express.js, Node.js, Railway