Thanh Nguyen Do

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EDUCATION

Texas Christian University   *Expected graduation: May 2025*
Bachelor of Science, Major in Computer Science, Minor in Mathematics   **GPA**: 3.6/4.0
Award: *Dean's Honor List*, *Faculty Scholarship*, *Career Readiness 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), CodePath Advanced Technical Interview Prep (TIP 103), JPMorgan Chase & CO Software Engineer Virtual Experience.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Typescript, Python, C, Kotlin, SQL.
Technologies: Next.js, React.js, Redux, Angular.js, Vue.js, React Native, Spring Boot, Express.js, MongoDB, PostgreSQL, RESTful API, MySQL, GraphQL, Rxjs, Figma, Bootstrap 5, MaterialUI, Supabase, Firebase, GitHub, GitHub Actions, Docker, Kubernetes, AWS, Netflix Eureka Server, JUnit, Jenkins, ArgoCD.

WORK EXPERIENCES

Mobile and FullStack Engineer | *UNT Health Science Center*   August 2024 - Present
- Architected a scalable database schema for a health science project, managing **1,000+ user records**, improving query efficiency by **50%**, and ensuring seamless handling of meeting schedules and tasks.
- Developed a responsive and intuitive mobile UI**,** increasing users' goals and meeting management efficiency by **40%.**
- **Implemented API integration,** improving **30%** of data flow between front-end and back-end**.**
- Led a team of 5 teammates in an **Agile** workflow, allocating tasks, tracking progress, and ensuring the on-time delivery of project milestones with 100% adherence to deadlines.
- **Technologies:** React Native, JavaScript, SpringBoot, PostgreSQL, H2 Database, GitHub Actions, Agile (Scrum)**.**

FullStack Developer Intern | *ThankUPet*   May 2024 - August 2024
- Developed a scalable CRM website for **100+ pets and owners** using **Next.js**, boosting **40% of user engagement**.
- Authored comprehensive API documentation for **21 endpoints**, streamlining scheduling and operations.
- Enhanced API performance by **60%** using **Express.js** and **Node.js** for optimized routing and middleware.
- Implemented **Supabase** and **Planetscale** for robust data management, achieving a **30%** increase in query response times.
- Conducted rigorous testing to achieve **99.9%** API uptime and reduce errors across the platform.
- **Technologies:** Next.js, TypeScript, Express.js, Supabase, Planetscale, Stripe, Node.js**.**

Software Engineer Intern | *FPT Software*   June 2023 - August 2023
- Built a responsive CRM website for **100,000+ households** using **Angular.js**, increasing **35%** of user productivity.
- Crafted and implemented reusable Angular.js components, reducing **40%** of development time for new features.
- Enhanced UI/UX using **Bootstrap 5** and **Material UI**, reducing user-reported issues by **30%**.
- Delivered email/text management, and appointment scheduling features by integrating **15+** Python/Django APIs.
- 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

BookEZ | Github Link | Website Link
- Engineered a comprehensive salon appointment booking platform utilizing **React**, **Express**, **Node.js**, and **PostgreSQL**; streamlined user experience led to a **40%** increase in bookings during the first quarter post-launch.
- 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 a seamless and efficient appointment scheduling experience for salon clients.
- Revamped **PostgreSQL** database schema, decreasing query times by **40%** and enhancing data access speed.
- **Technologies**: JavaScript, React.js, Material UI, Sweet Alert 2, PostgreSQL, Express.js, Node.js**.**

Idraiske Food Delivery Application | Github Link
- Built Angular front-end with Bootstrap 5 for restaurant lists, food catalogs, and order placement, serving 100+ users daily.
- **Designed microservices** with Spring Boot for restaurant, food, order, and user management across 5 services.
- **Deployed and scaled containerized applications** with **Docker**, **Kubernetes**, and **AWS EKS**, achieving **99.9%** uptime through automated CI/CD pipelines using **Jenkins** and **ArgoCD**.
- **Enhanced databases** with **MySQL** and **MongoDB**, reducing query times by **30%** and supporting high-demand services.
- **Improved code quality** using **JUnit** and **Sonar**, cutting deployment bugs by 20% through rigorous testing.
- **Technologies**: TypeScript, Angular, Spring Boot, Microservices, Github, Docker, Kubernetes, Mongo Atlas, MySQL, JUnit, Sonar, AWS EKS, AWS ALB, AWS EC2, AWS RDS (SQL), MongoDB, Jenkins, ArgoCD.