Thanh Nguyen "Drake" Do

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EDUCATION

Texas Christian University   **May 2025**
Bachelor of Science, Major in Computer Science, Minor in Mathematics   **GPA**: 3.6/4.0
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 Software Engineer Virtual Experience

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, HTML, CSS, Kotlin, SQL, Python, C, C#
Front-end: Next.js, React, Angular, React Native, Vue.js, Redux, Rxjs, Firebase, Bootstrap 5, MaterialUI, Figma
Back-end: Spring Boot, Apache Kafka, Spring Data JPA, Hibernate ORM, Express.js, ASP.NET, GraphQL, MongoDB, PostgreSQL
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**   August 2024 - May 2025

Technologies: JavaScript, React Native, Spring Boot, PostgreSQL, MongoDB, Docker, GitHub Actions, Render.
- Developed a health-tracking application in a team of 6, managing **1000+ user records** using **React Native** and **Spring Boot**.
- Designed a 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.
- Received **TCU's SRS Computer Science Poster Winner 2025** for outstanding research presentation and poster design.

FullStack Developer Intern   **ThankUPet**   May 2024 - August 2024

Technologies: Next.js, TypeScript, Express.js, Supabase, Planetscale, Stripe, Node.js.
- 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**, improving scalability and user experience.
- Integrated **SwaggerHub** to document **21 API endpoints** for important operation features, such as appointment scheduling.
- Implemented Stripe payment gateway to securely process transactions between pet owners and sitters, enabling real-time, reliable payments within the CRM platform.

Software Engineer Intern   **FPT Software**   June 2023 - August 2023

Technologies: TypeScript, Angular.js, RxJS, Bootstrap 5, Material UI, Python, Django**.**
- 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%**.

PROJECTS

Idraiske Food Delivery Application | Github Link
- Built an **Angular** front-end with **Bootstrap 5** for restaurant listing, food menu, and order placement, serving **100+** daily users.
- 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%.
- Integrated **Apache Kafka** to enable real-time delivery status updates and order event streaming, improving system responsiveness by 25% and enhancing user experience across distributed services.
- **Technologies**: TypeScript, Angular, Spring Boot, Apache Kafka, 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.
- 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.