

# Chuong Tran

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## EXPERIENCE

### Infodat

January 2024 - Present

#### Software Developer

Houston, TX, USA

- Developed and maintained a full-stack TypeScript/Java (Spring Boot) application for the Consignment Program, collaborating in Agile sprints to drive design decisions and code reviews.
- Optimized backend services and queries to cut auto-ordering latency by 15%, supporting higher customer capacity and order volume.
- Enhanced front-end workflows and UX through responsive UI and caching optimizations, improving page load times by 30%.
- Partnered with PMs to develop admin-controlled user permissions feature, enabling view-only access and achieving 10% adoption rate.
- Designed reusable D3.js visualization component, cutting chart implementation time by 70% and ensuring consistent analytics UI.
- Developed event-driven microservices using Google Cloud Pub/Sub, increasing item processing efficiency by 50% and enabling reliable asynchronous workflows.
- Leveraged AI-assisted development tools to accelerate feature delivery by 20% and improve sprint iteration speed.
- Resolved 10+ customer-reported issues per month, troubleshooting complex code and integration problems to improve system reliability and user satisfaction.
- Drove key components of a frontend framework upgrade, replacing legacy data-layer patterns and refactoring core modules to modernize architecture and improve maintainability.

### Infodat

May 2023 - December 2023

#### Software Developer Intern

Houston, TX, USA

- Delivered 5 production-ready features using React and Spring Boot, enhancing user experience and product adoption.
- Implemented a CI/CD pipeline with GitHub Actions and AWS EC2, reducing release time and enabling continuous delivery.
- Maintained 80% test coverage through unit and integration testing, improving reliability and minimizing bugs.

### University of Houston

August 2022 - May 2023

#### Teaching Assistant

Houston, TX, USA

- Led weekly labs for 50+ students, creating C++ exercises that strengthened understanding of data structures and algorithms.

## EDUCATION

### University of Houston

December 2023

#### Bachelor's in Computer Science

GPA: 3.9

## SKILLS

**Programming & Frameworks:** Java, C/C++, JavaScript, TypeScript, Python, Spring Boot, React.js, Angular, Node.js, Ember.js, HTML/CSS, REST APIs

**Databases & Cloud:** MongoDB, MySQL, Apache Kafka, AWS EC2

**Tools & Practices:** Selenium, Docker, Git

## PROJECTS

### Brain Tumors Classification

- Achieved 91% accuracy in categorizing brain tumors by developing and training a ResNet-50 model on 3,000+ MRI images.
- Technologies: Python, Tensorflow, NumPy

### Job Scheduler

- Designed and implemented a database-driven cron scheduler in Spring Boot, allowing dynamic task registration and rescheduling at runtime via RESTful APIs.
- Technologies: Spring Boot

### Resume Builder

- Built an ATS-optimized resume generator with AI-driven enhancements to tailor resumes for specific job descriptions.
- Technologies: TypeScript, Node.js, Google Gemini API

## LANGUAGES

English, Vietnamese, Mandarin