CHUONG TRAN

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EXPERIENCE

Infodat   **Houston, TX, USA**
Software Developer   *January 2024 - Present*
- Developed and maintained a full-stack application using TypeScript and Java, streamlining the onboarding of 100+ new facilities (+15%) since the start of the fiscal year.
- Improved backend performance and scalability through service and query optimizations, contributing to a 15% year-over-year increase in order volume and an 8% projected annual revenue boost.
- Enhanced front-end workflows and user experience through responsive UI and caching improvements, enabling 20% year-over-year growth in unique users.
- Reduced chart implementation time by 70% by building reusable D3.js components, contributing to an open-source library and accelerating integration across internal tools.
- Designed and implemented RESTful APIs for RFID-enabled cabinet integration, enabling real-time inventory tracking and improving stock accuracy.
- Boosted item processing workflow efficiency by 50% through implementation of event-driven microservices with Google Cloud Pub/Sub.
- Collaborated in an Agile team, contributing to design discussions and conducting PR reviews to ensure high-quality releases.
- Leveraged AI tools like GitHub Copilot to accelerate development, reduce boilerplate, and enhance code quality, improving feature delivery speed by 20%.

Infodat   **Houston, TX, USA**
Software Developer Intern   *May 2023 - December 2023*
- Shipped 5 production-ready features using Spring Boot and React within the first 10 weeks of onboarding.
- Maintained 80% test coverage through unit and integration tests, ensuring system reliability and reducing production bugs.
- Built a CI/CD pipeline with GitHub Actions to automate builds, tests, and deployments on AWS EC2, reducing release time and enabling continuous delivery.

University of Houston   **Houston, TX, USA**
Teaching Assistant   *August 2022 - May 2023*
- Led weekly lab sessions for 50+ students and designed 20+ hands-on coding challenges in C++, reinforcing key data structures and algorithms concepts.

EDUCATION

University of Houston   **August 2019 - December 2023**
Bachelor's, Computer Science   *GPA: 3.9*

SKILLS

Skills: Java, C/C++, JavaScript, TypeScript, Python, HTML/CSS, .NET, Spring Boot, React.js, Angular, Node.js, Ember.js, MongoDB, MySQL, REST APIs, Selenium, Docker, Git, D3.js, Apache Kafka

PROJECTS

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

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

Internship Recommender | Python, NLTK, Selenium, BeautifulSoup
- Implemented a content-based recommendation system to match resumes with relevant job opportunities, and developed a Python/Selenium web-scraping pipeline to ingest 600+ internship listings, enabling large-scale data analysis.