

Liem Tran

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Education

University of Minnesota (B.S. in Computer Science, GPA 3.865)

Sep 2022 - May 2025

Skills, Technologies, and Awards

Skills: Java, Python, Typescript, JavaScript, React, React Native, NodeJS, HTML/CSS

Technologies: AWS, Neo4j, Google Cloud Platform, Springboot, Firebase/Firestore, Figma, Docker, Git/Github, Cursor

Experience

Chewy, Software Engineer (Fulltime)

June 2025 - Present

- Architected an event-driven consolidation system processing **100,000+** Autoship subscription events daily across **SQS/ECS/DynamoDB**, unlocking **\$15M/year** in revenue
- Spearheaded cross-team development of an end-to-end order status visualization platform ingesting **1M+ events/day** via **Kafka/EKS/Elasticsearch** with a **React/Next.js** frontend. Onboarding 4+ teams to emit order lifecycle checkpoint events and reducing on-call triage time

Chewy, Software Engineering Co-op

May 2024 - December 2024

- Architected and implemented a serverless order processing system using **AWS Lambda, S3, and SQS**, achieving processing capabilities of over **100,000** concurrent orders at once from 18 Chewy Fulfillment Centers and saving an estimated **\$6.4 million dollars annually** in shipping costs
- Decreased average order processing time from 30 minutes to 5 minutes E2E (**83% improvement**) by implementing parallel execution and optimal batch sizing
- Designed and implemented RESTful APIs using **Spring Boot** to handle asynchronous messaging between **SQS queues, Lambdas, and ECS containers**, achieving a 100% improvement in message throughput

Autonomic Solutions LLC, Software Engineer Intern

May 2023 - September 2023

- Designed and implemented responsive user interface components for a cloud-based service provisioning platform on **AWS**, utilizing **AngularJS** for a seamless user experience, which yielded a **20%** increase in user adoption
- Developed **RESTful API** endpoints using **Java** and **Spring Boot** on **AWS**, reducing data processing time by **10%** and optimizing response rates
- Implemented **AWS DynamoDB** for scalable and efficient data storage, streamlining retrieval and storage processes

Teaching Assistant

- Facilitated engaging lab sessions weekly, guiding **50+** students through complex Python concepts and fostering active learning
- Analyzed student assignments, crafting constructive feedback that targeted common challenges and boosted academic growth

Technical Projects

GopherTunnels, Tech Lead (App Store)

Nov 2024 - Present

- Led a team of **30 developers**, designers, and engineers in crafting Gopher Tunnels, a user-friendly navigation app tailored for exploring the University of Minnesota's expansive tunnel network
- Spearheaded the creation of the **Neo4j** database and leveraged **AuroraDB** hosted on **Google Cloud Platform** to ensure efficient data management
- Directed frontend development with **React Native**, while actively optimizing data retrieval and processing on **ExpressJS**

Back to Hue (website)

2nd @ LAHacks 2023

- Worked with a 6-member team including a designer and a technical product manager to develop a cross-platform social app aimed at rekindling forgotten connections from users' contact lists
- Utilized React Native and Firebase for efficient data storage and management, alongside HTML, CSS, and JavaScript to create a modern, minimalist interface, collaborating closely with the designer for user-centric design
- Successfully published the app on the Google Play Store, enhancing its accessibility to a wide user base