Lillian Tran

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My Key Qualifications

- **1 year of software engineering experience**, on the product engineering team at HealthCatalyst since June 2025, squarely within the 0-to-2-year range this role targets.
- Shipped patient-facing scheduling and form features in **React, TypeScript, and Node.js**, cutting appointment booking drop-off from 14% to 11%.
- Grew unit and integration test coverage **from 62% to 76%** on a shared intake workflow with Jest and React Testing Library cases for edge states and API errors.
- Resolved recurring production issues for clinic staff users, cutting repeat support tickets **from 9 to 3 per month** by tracing Node.js and PostgreSQL errors from logs.
- **GitHub Actions and AWS** in daily use: ships fixes through the CI/CD pipeline into AWS production environments.
- Healthcare web app background: currently builds clinician- and patient-facing tools at a healthcare company, and built a **secure clinic portal capstone** for a campus health clinic on React, Node.js, PostgreSQL, and AWS.

Experience

Software Engineer I — **HealthCatalyst**, a healthcare data and analytics company

Jun 2025 – Present · 1 yr 5 mos

- Built and shipped patient-facing scheduling and form updates in the main web application, cutting appointment booking drop-off from 14% to 11% on the updated flow.
- Implemented those features in React and TypeScript, wired Node.js REST API calls, and partnered with product and design on acceptance criteria under the guidance of senior engineers.
- Raised unit and integration test coverage on a shared intake workflow from 62% to 76% by adding Jest and React Testing Library cases for edge states, validation logic, and API error handling.
- Resolved recurring production issues affecting clinic staff users, cutting repeated support tickets from 9 per month to 3 by reproducing bugs from logs and tracing Node.js and PostgreSQL errors.
- Shipped fixes through GitHub Actions CI/CD workflows to AWS environments, and participates in code reviews, sprint ceremonies, and bug triage on an Agile Scrum team.

Education

- **The University of Texas at Dallas** — Bachelor of Science in Computer Science · 2021 – 2025 · Relevant coursework: Data Structures, Database Systems, Software Testing, Web Programming, Object-Oriented Design

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Projects

- **Clinic Portal Capstone**
  Secure appointment and messaging web portal for a campus health clinic, built with React, Node.js, PostgreSQL, and AWS. Reduced average appointment request handling time by 18 minutes in pilot use.
  Tech: React, Node.js, PostgreSQL, AWS
- **Course Planner API**
  REST API and web interface, built in Java with Spring Boot and MySQL, that helps students map prerequisites and plan courses term by term. Returned valid schedule results in under 2 seconds for 500-scenario test data sets.
  Tech: Java, Spring Boot, MySQL

Skills

- **Frontend:** React, TypeScript, JavaScript
- **Backend & Databases:** Node.js, PostgreSQL, REST API Development, MySQL
- **Testing & Tooling:** Jest, React Testing Library, Git, GitHub Actions
- **Platforms & Methods:** AWS, Agile Scrum