

Long “Connor” Vo

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WORK EXPERIENCE

LKDV-Pharma | *Software Engineer*

Jul 2025 - Present

- Own architecture and delivery of a multi-tenant pharmacy SaaS serving 50+ locations, sole engineer sustaining 99.7% uptime across three Next.js (**React**) web apps on **TypeScript**, **Express.js** **REST** services, and **Firebase**.
- Led a security audit of the 80+ endpoint API and closed 10 authorization flaws (unauthenticated customer PII access, privilege escalation, mass assignment), verifying each fix with a before/after exploit harness on Firebase emulators
- Cut pharmacy onboarding from 5 days to 36 hours and support tickets by 35% with automated eKYC and self-service tooling, shaped through discovery with 50+ pharmacy operators
- Built a reader-verifier invoice agent (LangGraph, Gemini vision) whose deterministic checks raised field accuracy from 83% to 95% and cut stock-in entry from 9 to 3 min per invoice

Sotatek | *Java/Python Backend Software Engineer*

Jul 2023 - Feb 2024

- Led a team of 5 engineers and designers to ship a music promotion platform (**Python**, **Java**) supporting 40K+ creators, analyzing social data to optimize promotional strategies.
- Built distributed Python/Java services for an on-demand delivery platform handling 100K+ daily orders, improving throughput by 30%
- Built a high-throughput data pipeline (**Akka**, **Scala**) processing 100K+ social media posts, deployed on **AWS** with Terraform, delivering actionable insights for marketing teams.

Ro | *Software Engineer Fellow*

Jun 2022 - Sep 2022

- Refactored legacy **SQL** and **Django ORM** configurations, boosting system efficiency by 20% and reducing downtime
- Shipped configuration APIs enabling real-time feature toggling that reduced rollout times by 40%
- Improved app **UX** by refactoring 34 end-to-end visit flows, increasing modularity and reducing manual testing effort

Constant Contact | *Software Engineer Intern*

Sep 2021 - Jan 2022

- Increased user engagement 15% by developing contact management features using **Ruby on Rails** and **JavaScript** (**React**, **Backbone**), including bulk editing, tagging, and advanced filtering capabilities
- Reduced deployment latency by 50% and anomalies by 70% by integrating CI/CD pipelines with Jenkins and **Docker**

SELECTED PROJECTS

Rhythm Signal Engine, Project Meridian

May 2026 - Present

- Built 3 research-backed TypeScript signal modules (turn latency, speech-rate deceleration, anomaly detection) with local Whisper transcription and 2-mic speaker diarization for a privacy-first macOS clinical session analysis app

Stroke Recovery Mobile Application

October 2024 - May 2025

- Reduced therapist consultation time 40% by building a **Vue.js** app that analyzes stroke patients' motor-function data into personalized recovery plans, developed with 50+ stroke survivors and their physical therapists.
- Increased patient engagement 60% with progress-tracking dashboards visualizing recovery milestones across speech, motor, and cognitive domains in real time.

EDUCATION

University of Massachusetts Amherst

Master of Science (M.S.), Computer Science

January 2024 - May 2026

Bachelor of Science (B.S.), Computer Science

August 2018 - May 2022

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Ruby, SQL, Java

Development stack: React, Next.js, Node.js, Django, React Native, Vue.js, Three.js, Canvas

Data & Infrastructure: PostgreSQL, MongoDB, Redis, Vercel, Railway, AWS, Gemini AI, Docker, Terraform, Kubernetes