

# AN DUONG

## EXPERIENCE

MARCH 2025 - CURRENT  
MANHATTAN, NY - REMOTE

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### EXPYS LEAD SOFTWARE ENGINEER

- Architected a high-end iOS and Android loyalty application for enterprise clients, enabling exclusive booking of luxury travel and products
- Developed an SaaS admin portal integrating generative AI to automate and optimize high-quality copywriting for product listing
- Engineered a real-time chat system on PostgreSQL, utilizing AI to analyze conversation conversation data and drive improved conversion rates.
- Built a dedicated mobile dashboard allowing B2B clients to monitor user engagement and NPS metrics on the go

APRIL 2022 - MARCH 2025  
IRVINGTON, NY

### DRIBBLEUP LEAD SOFTWARE ENGINEER

- Owned and managed the development of mobile and connected apps for iOS, Android, Chrome Cast, Amazon Fire, Apple Watch, and Apple Vision.
- Optimized native builds for dramatic speed improvement – now completing in just 7 minutes, from 60 minutes
- Pioneered support for 4 cutting-edge smart exercise equipments (Tennis, Baseball, Trampoline, and Weights)
- Enhanced software quality and reduced regression risks through the addition of a comprehensive automated end-to-end testing framework
- Authored features including Item Shop, Friends Feed, Daily Challenge, Versus Mode, and Micro-Leaderboard

JULY 2021 - APRIL 2022  
LOS ANGELES, CA

### BUDEE INC. LEAD SOFTWARE ENGINEER

- Slashed server hosting costs by 95%, achieving significant cost savings..
- Scaled the technologies to support \$20M in annual revenue and 300,000+ orders annually with more than 10 e-commerce channels.
- Spearheaded the development and engineering roadmap.
- Built a self-learning inventory algorithm that analyzes both sales and product impressions, leading to smarter stock management and improved customer satisfaction
- Developed a comprehensive vendor analytics dashboard to gain real-time insights into sales performance, enabling data-driven vendor management decisions
- Implemented automated testing, deployment, documentation, health checks, and CPU-based server scaling, resulting in a significantly faster and more efficient development lifecycle.
- Built Budee App and Driver App with React Native.
- Built Budee Brand Plugin (an embeddable store to any website with one line of code).
- Co-developed a proprietary, high-performance routing algorithm that efficiently connects customers with the nearest available driver or store, significantly reducing wait times.
- Developed custom integrations with leading cannabis marketplaces, WeedMaps and Leafly, unlocking real-time store data and dramatically expanding sales channels.
- Developed seamless integrations with critical external services (payments, Metrc, AWS SES, SMS) to

JULY 2017 - MARCH 2019  
SCOTSDALE, AZ

### PAYPAL SOFTWARE ENGINEER

SITE STABILITY ENGINEERING | CORE PLATFORMS & INFRASTRUCTURES

- Owned and secured an internal query assistant web application used by over 2,000 engineers weekly, implementing two-factor authentication and optimizing back-end algorithms for 30-second post-modification database recovery.
- Developed a front-end for an internal VM remediation application, allowing for self-healing infrastructure and reduced downtime.
- Integrated a Python-based data quality application utilizing ticketing system data and visualizations to enhance data-driven decision making.

## PROJECTS

DECEMBER 2023  
NEW YORK, NY

### AVI COFOUNDER/CTO

- Lead development for iOS and Android
- A customized Global Distribution System (GDS) flight booking platform offering exclusive discounts. Recognizing a market shift, we pivoted to a free flight tracking app that rewards users for flight disruptions.