AN DUONG

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EXPERIENCE

MARCH 2025 - CURRENT
MANHATTAN, NY - REMOTE

EXPYS   LEAD SENIOR SOFTWARE ENGINEER

- Architected a high-end React-native loyalty application for enterprise clients, enabling exclusive booking of luxury travel and products written in Typescript
- Developed a SaaS admin portal using Next.js and React, integrating LLM-based Generative AI to programmatically generate and optimized product copy writing.
- Orchestrated a global content delivery pipeline using AWS S3 and CloudFront to automate image optimization and low-latency media distribution
- Engineered a real-time chat system on PostgreSQL, utilizing AI to analyze conversation data and drive improved conversion rates

APRIL 2022 - MARCH 2025
IRVINGINGTON, NY

DRIBBLEUP   LEAD SOFTWARE ENGINEER

- Owned and managed the development of mobile in React-native 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 2019 - APRIL 2022
LOS ANGELES, CA

BUDEE INC.   LEAD SOFTWARE ENGINEER

- Built Budee App and Driver App with React Native
- Built Budee customer facing website with React, driving $20M in annual revenue and 300,000+ orders annually with more than 10 e-commerce channels
- Built Budee Brand Plugin (an embeddable store to any website with one line of code) with React
- Slashed server hosting costs by 95%, achieving significant cost savings
- 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
- Co-developed a proprietary, high-performance routing algorithm in Python 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 streamline operations and enhance customer experience.

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 written in React
- 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