Nhan Nguyen

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EXPERIENCE

Software Engineer II
JIPC Management
May 2024 – Present
Rancho Santa Margarita, CA

- Design and implement self-service point-of-sale systems using **React**, with native interface compilation through **Electron**, capable of managing high guest volumes, generating over **$100,000** in monthly revenue
- Initiate a feature to manage subscriptions and payment methods in the mobile app using **React Native**, leading to a full redesign after stakeholders recognized the improved UI; now live on iOS and Android with **20,000+** installs
- Devise a remote-controlled gate lock system using WebRelay, .NET, and Android devices, preventing unauthorized entry and saving over **$1,000** monthly across all locations by eliminating revenue loss from unpaid access
- Engineer robust data management solutions utilizing **MySQL** and **Microsoft SQL Server**, produced actionable reports with **Web Forms** and **VB.NET**, providing critical insights and informed decision-making to stakeholders

Web Developer
Altametrics
Feb. 2023 – Dec. 2023
Costa Mesa, CA

- Led front-end development of a **React**-based music streaming platform with **TypeScript**, consuming REST APIs to mutate **PostgreSQL** database, eliminating media streaming expenses by **100%** for company-owned restaurants
- Migrated legacy codebase to **Next.js** while establishing comprehensive guidelines for the front-end system, ensuring **33%** time-reduction in automated deployment of artifacts onto **AWS S3** via **GitLab**, hosted on **Cloudfront**
- Re-engineered company's e-commerce websites by transforming **Figma** mock-ups to functional UI components, facilitating seamless transactions while maintaining **90%+** core web vitals score and accessibility standards
- Built and deployed a lightweight internal tool using MongoDB, React, and GraphQL that streamlined catering logistics and automated production sheets, cutting prep time by **30%** for over 36 restaurant locations

Instructional Specialist
edX @ University of California, Irvine
Feb. 2023 – Oct. 2023
Irvine, CA

- Proactively assist students during activities and tasks, proffering technical support by resolving and debugging errors in the latest web technologies including **React**, **JavaScript**, **MongoDB**, **MySQL**, **Node.js**, and **Express**
- Delivered supplemental lessons outside of class through **Zoom** while offering industry insights, broke down complex concepts students learned, led 30+ daily **scrum** meetings and code reviewed over 50 student projects

HACKATHONS & AWARDS

Square x Block Hackathon https://devpost.com/software/square-edge   *TypeScript, Next.js, MongoDB, Vercel*

- Awarded *Best Use of Square APIs* out of 1023 participants from 57 countries in a national hackathon focused on fostering relationships between businesses and local communities and empowering sellers on a global scale
- Used WebRTC and WebSockets to allow Square merchants to live stream products directly on website as a plug-in

API World Hackathon https://devpost.com/software/simplify-82ux9o   *React.js, Node.js, Express.js, MySQL*

- Collaborated with a developer and UX designer to win first place out of 400 participants by producing a full-stack application that summarizes online articles and generates flashcards to streamline the studying process for students
- Employed Natural Language Processing, Keyword Extraction, and Web Scraping API for summarizing feature

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, HTML5, CSS3, SASS, LESS, Liquid, Python, Java, C#, C++, VBA, VB.NET
Frameworks/Libraries: React.js, Vue.js, Next.js, Node.js, Express.js, Spring, GraphQL, Electron, MUI
Databases: MySQL, MongoDB, Microsoft SQL Server, PostgreSQL
Tools & Platforms: Git, Figma, AWS, GitLab CI/CD, Vercel

EDUCATION

Georgia Institute of Technology
Master of Science in Computer Science
Atlanta, GA
Expected May 2027

Western Governors University
Bachelor of Science in Computer Science
Salt Lake City, UT
April 2025