DAT NGUYEN

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Highly adaptable developer with a strong interest in emerging technologies. Quick to master new skills and eager to tackle diverse challenges. Seeking roles that offer growth and the opportunity to contribute to innovative projects. Committed to continuous learning and professional development.

Technical Skills

NodeJS **|** Solidity **|** HTML/CSS **|** Javascript **|** Typescript **|** Bash Script **|** Python **|** MySQL **|** Go Language **|** Angular **|** React APIs **|** Flutter **|** AEM **|** GCP **|** HardhatJS **|** EthersJS **|** Web3JS **|** Remix **|** Ethereum Virtual Machine **|** ABIs **|** OpenZeppelin Git **|** C/C++ **|** UNIX/LINUX **|** Agile **|** Open Source **|** Chainlink **|** Block Explorer Navigation **|** Smart Contracts/Web3

Work Experience

Technical Executive Admin - JamCast Media   June 2023 - Current
- Assisted in the development and maintenance of eCommerce websites, focusing on user interface and experience.
- Utilize Fusion 360 to design 3D products and troubleshooting tolerances for engineered parts, and troubleshooting slicing models for high quality prints.
- Oversaw the company's social media channels, including content creation, analytics tracking, and marketing.

Technical Recruiter - Level Home (Startup Talent IQ)   June 2022 - May 2023
- Utilized technical expertise of coding frameworks and technologies to assess and source high quality candidates.

Blockchain/Web3 Developer - Shrine House   August 2021 - February 2022
- Developed robust smart contracts using Solidity and performed testing with Remix and Hardhat in NodeJS, providing secure and efficient deployment on the Polygon network
- Leveraged Flutter and Web3 packages to integrate smart contracts, ensuring smooth front-end functionality and user interaction within the app
- Used NoSQL to integrate app functions and enable interactions and updates to the database in Firebase
- Designed and implemented the token smart contract, incorporating essential functions for the app and employing EIP-1967 Proxy pattern to enable upgradability for future modifications
- Set up and hosted a Chainlink node on Google Cloud Platform (GCP), and integrated Chainlink external adapter to access off-chain data from Spotify and other social media platform web APIs

Full Stack Developer - LinkMe   October 2020 - September 2021
- Designed and developed the UI/UX of the app using Ionic with React for an optimal and responsive performance
- Responsible for both front-end and back-end development, as well as API integrations, ensuring seamless data flow and synchronization between the app and external systems
- Conceptualized and implemented application features (i.e. user discovery by proximity, QR code card sharing)

Jr. Front End Developer - AAA Administrative Office   December 2019 - March 2020
- Developed and maintained web pages using HTML/CSS, JavaScript, and jQuery
- Updated web components utilizing CRX (content repository manager) to create and merge Adobe Experience Manager (AEM) packages
- Automated processes with Adobe Bridge scripts and Powershell scripts to streamline workflow

Front-End Developer/Video Marketing - Ayli   January 2019 - October 2019
- Exercised creative freedom to build and develop web pages while also remaining faithful to design mockups built using Angular 7 in collaboration with the design team
- Used NoSQL to make updates to the Firebase database to reflect user data and user referral systems accurately
- Produced marketing videos using Adobe After Effects to incorporate smooth animations and engaging graphics

Education

California State University, Fullerton
Bachelor of Science in Computer Science, May 2019
Related Coursework: Databases **|** Data Structures **|** Algorithms **|** Front-End Development **|** Assembly Language **|** Artificial Intelligence **|** Compilers **|** Network Security **|** Open Source Development

Projects

Open Inventory (Go, MongoDB, NoSQL, HTML/CSS, Javascript, Agile)
- Created an inventory web app with secure account authentication, sleek user-friendly interface, and reliable inventory management system with data analytics to review performance
- Used MongoDB to store inventory data and display charts/analytics based on the inventory and sales data from the database.
- Noticed that the analytics dashboard was slow in certain scenarios.. Optimized database queries to speed up data retrieval, enhancing the user experience
- Made quality of life improvements for users by developing a bulk upload feature, reducing the time spent on inventory updates

TuffyPub (Angular 7, Firebase)
- Developed a realtime chat web app with authentication and storage through Firebase and Firestore
- Implemented chat sessions with with unique referral URLs to access different public and private chat rooms
- Improved quality of life for users by developing a bulk upload feature, reducing the time spent on inventory updates

Reactive LED Strips (Aruduino Nano, C++)
- Developed a reactive program for LED strips that react audio from sensors on the Arduino Nano.
- Created different algorithms for animation presets and modes.

Dex Arbitrage Bot (EthersJS, Solidity, Remix)
- Utilized Quicknode's WebSocket to access the blockchain and enabled real-time monitoring of decentralized exchanges (DEX)
- Leveraged UniswapV2's code base to gather token prices from various DEX platforms to develop and implement a script that automatically searches for arbitrage opportunities

DeFi Kingdoms NFT Trading Bot (Solidity, GraphQL)
- Wrote and implemented a script that scanned the DeFi Kingdoms (DFK) marketplace for undervalued NFTs based on specific attributes retrieved through the DFK GraphQL endpoint
- Deployed an upgradeable smart contract with comprehensive functions to facilitate seamless buying and flipping of NFTs within the DFK marketplace
- Utilized Solidity to write smart contracts that accurately represented ownership and transfer of NFTs, maintaining a transparent trading environment