

Guanghui Li

Full-Stack Software Engineer

FRONTEND

React

Angular X

BackboneJS

Tailwind CSS

Bootstrap 5

BACKEND

Node.js/Express

Laravel/Lumen

Ruby on Rails

MySQL

WEB3

Solidity

Hardhat

Remix

TESTING FRAMEWORK

JestJS

ChaiJS

Selenium

PHPUnit

MOBILE DEVELOPMENT

Java

Android Studio

PERSONAL SKILLS

Problem-solving

Hardworking

Adaptability

PERSONAL SUMMARY

A full-stack software engineer who has over 4 years of work experience in a variety of fields of technology such as Web3/blockchain, healthcare, SAP S/4HANA, and education.

Knowledgeable in an assortment of web technologies, and always eager to learn new and exciting innovations. Able to effectively self-manage during independent projects, as well as collaborate in a team setting.

Looking for a company that will challenge my skills and allows me to continue to develop my knowledge and potential.

WORK EXPERIENCE

Enticive LLC

FULL STACK SOFTWARE ENGINEER

Remote

Nov 2021 – Present

- Built and maintained various company products from start to finish including dApps, smart contracts, backends, and microservices using technologies such as React, Solidity, and Node.js. Thoroughly audited, refactored, and tested each product using JestJS, ChaiJS, and manual testing before deployments.
- Designed and implemented a multi-collection all-in-one NFT marketplace with advanced filtering which supports trading from multiple marketplaces, such as the company's native NFT marketplace and PancakeSwap NFT Marketplace.
 - Coded an NFT auction smart contract that supports NFT bidding and buyout with different ERC-20 tokens, and seamlessly integrated it into the NFT marketplace.
 - Audited and improved an NFT offer smart contract that supports the direct exchange of NFTs to NFTs and NFTs to tokens, and coherently incorporated it into the NFT marketplace.
 - Enhanced the browsing experience on the NFT marketplace by composing and integrating Subgraph to display NFT activities and statistics such as trading volumes and transaction history.
- Developed an in-house NFT bridge that supports two-way bridging NFTs from Binance Smart Chain to 6 other EVM blockchains including Ethereum, Cronos, Fantom, Avalanche, Polygon, and Harmony.
- Built an authentication system that supports login with web3 wallets as well as traditional methods of using username/email and password. The authentication system allows users to bookmark their favorite NFTs, customize their web browsing experience, opt-in to receive email notifications of NFT offers they received, and more.
- Crafted an in-house DAO UI on top of Snapshot.org GraphQL API to better support the company's needs for custom filters, advanced proposal editors, and providing international users with translations.
- Addressed and fixed security issues and refactored the codebase on a taxable ERC-20 token smart contract based on the feedback from Certik. Changes included but were not limited to adding Reentrancy Guard, upgrading the Solidity version, and updating Openzeppelin packages.
- Audited, tested, and patched a Lootbox smart contract (ERC-721) that utilizes Chainlink VRF v2 to request random numbers to distribute loots randomly on-chain. Seamlessly integrated the Lootbox smart contract into the NFT Marketplace. Improved the box opening experience by designing and implementing an opening/spinning animation.
- Designed and implemented an in-house ERC-20 token launchpad dApp that is similar to DxSale and PinkSale, which allows investors to buy tokens in two stages: whitelisted presale

Communication

Bilingual

LANGUAGES

English

Chinese

LINKS

[Portfolio](#)

[GitHub](#)

[LinkedIn](#)

[Stack Overflow](#)

HOBBIES

Fishkeeping

Exercising

Video Editing

3D Modeling

INFO

Guanghui Li

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DOB: 02/09/1998

Driving license: Yes

and public sale.

- Constructed a live k-line chart for ERC-20 tokens using TradingView Charting Library and BitQuery API to display token prices and trading volumes from different liquidity pools such as PancakeSwap and ApeSwap. The chart also supports showing live transaction history and a live chat implemented using Firebase API.
- Developed various Defi tools which aimed to improve users' Defi experience.
 - A crypto portfolio dApp that shows a list of user's ERC-20 tokens and NFTs.
 - A token/NFT bulk sender that allows users to send/airdrop tokens in bulk to multiple addresses. The app support users to type in addresses individually in-app as well as allows users to precompile data and upload Excel, CSV, or Txt files.
 - A whale watcher dApp that allows users to see any ERC-20 token transactions that exceed a certain amount of monetary value in real-time.
 - A dApp that tracks any contract creator's activities including buy/sell/transfer of tokens. This allows investors to research a wallet's activities to better determine whether the creator is a scammer.
- Created various Telegram, Discord, and Twitter bots to improve community engagement and activities, such as displaying project information, NFT statistics, and real-time trades.

Azalea Health Innovations, Inc.

FULL STACK SOFTWARE ENGINEER

Valdosta, GA

Mar 2020 – Nov 2021

- Maintaining and implementing new features on complex cloud-based Electronic Health Record applications using In-House as well as open-source technologies such as BackboneJS (JavaScript), jQuery, ChaiJS, SCSS, PHP, Selenium, MySQL. Facilitating debugging process by writing unit, integration, as well as end-to-end tests.
- Implemented an Auto-Adjustment functionality for payment batches. It automates adjusting hundreds and thousands of insurance adjustments manually for Revenue Cycle Management billers, and it also improves the ease of processing insurance claims and denials in the system.
- Extended patient portal access controls to allow withholding of specific diagnosis codes. This feature benefits clients with a Behavioral Health specialization.
- Brought custom client branding to reports. Allowing Enterprise clients for better branding coverage in the computerized physician order entry module in the system.
- Implemented cloud storage integration for document printing, simplifying the document print process.
- Added dunning messages to patient statements. This enhancement benefits enterprise clients by issuing statements out of AzaleaEHR.
- Onboarding new developers to bring them up to speed on the application development process by answering various questions regarding the company and the codebase.

IPEX Global

WEB DEVELOPER

Farmers Branch, TX

Dec 2019 – Mar 2020

- Built a customized secure and complex role-based user authentication and authorization process by integrating Lumen JWT and Azure ADAL.
- Implemented different import and export processes, allowing clients to batch import and export data.
- Crafted cron jobs to perform SOAP API communication between application and SAP. Also designed a system error report module in Angular for the cron processes as well as application errors.
- Created optimized MySQL scripts to generate database tables. Made database migration files for easier syncing of databases from different servers.

Valdosta State University

WEB SERVICES INTERN

Valdosta, GA

Oct 2018 - Dec 2019

- Converted an interactive campus map module built from Google Maps to using LeafletJS and OpenStreetMap.
- Implemented a counselor module, which helps students identify who their counselors are based on students' degrees and department information.
- Built a Daily Crime and Fire Report page, which allows the public to see all the crimes on a specific date.
- Designed a campus program directory module, which allows students to search for the degrees that they are interested in and quickly get information about the degree and how to apply.
- Worked on an admin web application that allows administrators from departments to control different modules needed to populate different modules mentioned above.

Valdosta State University
COMPUTER SCIENCE TUTOR

Valdosta, GA
Jan 2018 - Dec 2018

- Tutored students with Computer Science related problems such as Java, Python, Web, Data Structures, etc.
- Effectively identified students' logic and syntax errors in code.
- Thoroughly explained and then suggested different approaches to achieve the correct solution.

Valdosta State University
IT ASSET MANAGEMENT STUDENT
ASSISTANT

Valdosta, GA
Feb 2017 - Oct 2018

- Assisted clients with the setup of different campus technology such as printers, computers, and mobile devices.
- Maintained and distributed campus technology to clients.
- Helped with the installation and update of different software.
- Troubleshoot different hardware and software issues.

EDUCATION

Valdosta State University
BACHELOR OF COMPUTER SCIENCE

Valdosta, GA
Aug 2016 – Dec 2019