

Singharaj Usai

Software Engineer

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SKILLS

Languages & Frameworks: JavaScript, TypeScript, Node.js, React.js, Express.js, Lua, Lapis, COBOL, Bootstrap, jQuery

Databases: MongoDB, Firebase Realtime Database, PlanetScale, SQL

DevOps & Tools: Docker, Git, Webpack, Pegasystems, TDD, Mocha, Jest, Monday

Creative Design Software: Adobe Photoshop, Adobe Premiere Pro, Affinity Photo, Magix Vegas Pro, Blender, Roblox Studio

EXPERIENCE

Llama Train Studio

Nov 2024 - Present

Software Engineer

- Software engineer for an MMO game development team contributing to experiences with over 20K+ concurrently active users on the Roblox.com platform
- Developed database using Google Firebase Realtime Database and Lua Lapis web framework, leading to over 1M+ players data being stored offline as a backup database
- Developed a comprehensive data information system using CSV files to store monster information such as movedex, evolutions, and more. Used Ezgif to convert GIFs to sprite sheets using Python to fetch data from projectpokemon.org
- Introduced Lua TypeScript to codebase, reducing bug incidences to catch any game-breaking errors
- Integrated Discord Webhooks to log game chat and error logging, and automate purchase rewards to players

Samsung Innovation Campus Thailand

Nov 2024 - Feb 2025

Software Engineer Intern

- Developed [Build a Car to Kill Zombies](#) during a hack-a-thon overseas using the Lua programming language, which is a Metaverse experience on the Roblox.com platform achieving over 17M+ total plays
- Implemented quest system using Lua via ModuleScripts and Rojo for CI/CD to allow players to earn in-game cash
- Designed a dynamic vehicle upgrade system using TypeScript to Lua, allowing players to customize vehicle performance

Bank of America via Revature

Aug 2023 - Nov 2024

Software Engineer

- Software engineer for the Bank of America mobile banking app using JavaScript and Pegasystems
- Developed and designed UI components with Pegasystems's DX API based on React to implement lazy loading using Webpack to achieve a reduced bundle size, leading to improved performance for mobile devices using 4G networks
- Implemented GraphQL to migrate from RESTful APIs, taking advantage of Pegasystems's DX compatibility to improve UX, leading to fewer API calls to save server resources
- Collaborated with QA team to implement Workbox service workers for offline-first functionality, leading to support for over 100,000+ legacy iOS and Android devices

Walmart

May 2023 - Aug 2023

Electronics Retail Associate

- Summer job to help pay for student loans. Worked freights from the backroom to stock inventory in the electronics department. Organize products on shelves to ensure neatness. Work in other departments when needed to assist co-workers. Assist customers in finding products and provide friendly customer service

EDUCATION

Grand Valley State University

Aug 2023 - May 2025

Bachelor of Science, Computer Information Systems

Relevant courses: Computer Science | Python | Statistics | Microsoft Excel | Visual Basic | FileZilla | Management Information Systems

Michigan State University

May 2022 - Nov 2022

Certificate of Completion, Coding Boot Camp

Relevant courses: HTML & CSS | Git | JavaScript | Web APIs | AJAX | Node | Express | MVC | Rest APIs | SOAP APIs | jQuery | SQL | ORMs | Prisma | Data Structures and Algorithms | React | MongoDB | GraphQL | Next.js | Redux

Eastern Gateway Community College

Mar 2020 - May 2022

Associate of Applied Business, Business Management

Relevant courses: COBOL | Microeconomics | Macroeconomics | Financial Accounting Principals of Marketing | Principals of Management | Organizational Behavior | Calculus | Biology | College Algebra | American Government | Psychology

UNRELATED EXPERIENCE

DoorDash

Feb 2025 - Present

Delivery Driver

- Successfully delivered an average of 25 to 50 deliveries per shift, consistently accomplishing a 95% on-time delivery rate by using most optimal GPS navigation routes
- Maintained a 4.9 star customer satisfaction rate by providing quick service
- Tracked gas mileage, expenses, and average delivery logs using the DoorDash app and personal documentation to document any personal liability and expenses

YouTube

Oct 2015 - Oct 2024

Content Creator

- Managed multiple YouTube channels over the years with a total of over 3 million subscribers from 2015 to 2024
- Utilized TubeBuddy and VidIQ to optimize content for the YouTube search result algorithm, leading to an average of 500,000+ total views per month
- Partnered creator with Union for Gamers MCN to gain sponsorships and creator networking, leading to an average of 10 paid sponsored promotional content per month from companies such as OP Rewards, Swagbucks, Jazwares, Squarespace, and more
- Experienced in using Adobe Photoshop and Premiere Pro to produce video content and thumbnails, leading to an average click through rate of 10% for videos with over 100,000+ views, and an average view duration of 70% for videos over 10 minutes

Amazon

Apr 2023 - Mar 2023

Warehouse Picker

- Pick items shown on screen from AR robot, scan and place items in tote boxes
- Pick an average of 350 items per hour to stay above recommended percentage in warehouse for rate

Grand Rapids Press

May 2017 - Mar 2019

Newspaper Deliverer

- Successfully delivered an average of 200 paper routes during early morning schedule Mondays, Tuesdays, and Thursdays
- Planned best routes to reduce delivery time and save on fuel cost and vehicle maintenance
- Handled physical tasks such as loading newspaper bundles, folding and bagging papers, and delivering papers to customers mailboxes, front porches, inside screen doors, and other noted locations

PROJECTS

RobloxDen

- Developed the back-end code for RobloxDen using JavaScript and Node.js, a popular website with a bunch of information about Roblox including promo codes, audio IDs, catalog updates, and more
- Optimized and improved performance using browser developer tools such as Lighthouse, reducing page load issues by 20%
- Enhanced SEO strategies using Next.js, increasing web traffic by 15%
- Integrated Roblox Web API to fetch data from Roblox's catalog system using Node.js, leading to redeemable promo codes to allow users to obtain exclusive items for their avatars

LootX

- Developed LootX, a platform that allows users to take surveys to earn points for rewards such as Robux, giftcards, and more
- Designed the website using HTML, Bootstrap CSS, TypeScript, and Next.js
- Integrated AdGate Rewards APIs to allow rewards for users when completing surveys
- Used MongoDB to build database with Mongoose ORM for user registration and activities, leading to over 500,000+ users being registered on the platform

DeskSetups.net

- Developed Desk Setups using Svelte.js, a website that gives users ideas and inspirations for their next office workspace
- Integrated Amazon Product Advertising API npm package to identify and fetch nearest matching Amazon product to images, linking each image to product listings with pricing, thumbnail, and titles
- Built UI components with SvelteKit and SCSS leading to seamless browsing experience across all devices

Build and Race

- Developed Build and Race using Lua programming language, a sandbox building experience on the Roblox.com platform
- Implemented Firebase Realtime Database to store player's data in a document store database
- Developed experience using the client-server folder architecture, ensuring client behavior is reflected and filtered to the server