

Rishabh Venu

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Skills

Javascript • Java • SQL • Python • React • Mongo • C++

Work Experience

Senior Studios

FREELANCER & MANAGER

Remote

Feb. 2020 - Jul. 2023

- Developed Minecraft plugins, leveraging **Java** for development and using **MySQL** for efficient data storage and retrieval
- Programmed Discord bots utilizing **Node** and Discord.js to create interactive and automated systems
- Managed commissions for **100+** clients & freelancers, reviewed applications of **50+** potential freelancers and recruited **30+** developers

Entity Builds

FREELANCER

Remote

Apr. 2022 - May. 2022

- Engineered pay-as-you-play golf plugin for **CryptoShack** using Java including mechanics such as live action-bars
- Retrieved currency from a crypto wallet storing **1,700+ ETH** and sent to server with a **100+** player average

TbhHonest

SOFTWARE DEVELOPER

Remote

Mar. 2022 - Apr. 2022

- Created paper airplane Minecraft plugin in [youtube video](#) with **180K+** views for youtuber with **350K+** subscribers using Java
- Implemented A* pathfinding AI and designed custom model for airplane

Projects

KitPvP Plugin

- Worked on Minecraft duel plugin with **250K+** downloads and used by [YouTuber](#) with **350K+** subscribers
- Added **MySQL** support using Java and helped create developer API for external plugin support

LeetMegle (Hack The North 2023)

- Developed video chat application in **React** where users compete against eachother in LeetCode
- Utilized WebRTC and **Socket.IO** to send video data and competition progress
- Stored all user data, rankings and sessions in **MongoDB** database

Expensify (Hack The Valley 2023)

- Created expense tracker using **React** where users can easily manage their finances
- Gave simple AI recommendations using OpenAI module
- Stored expenses, analytics and user data with **MongoDB**

Stock Risk Analysis Calculator

- Analyzed the risk factor of a stock given the ticker using **Python**
- Calculates beta, debt-to-equity, interest coverage and degree of combined leverage using **Yahoo Finance** and web-scraping microaxis
- Used **Flask** to create REST API called by React website

LatexMath

- Developed LaTeX parser using **React** and QuillJS
- Tokenized LaTeX into smaller manageable components
- Works as a calculator, resolves complex mathematical problems involving derivatives and integrals

Education

Candidate for Bachelor of Applied Science, University of Waterloo

BACHELOR OF APPLIED SCIENCE IN COMPUTER ENGINEERING

Waterloo, Canada

Sep. 2024 - Present

Awards

- 2019 **1st Place**, Zebra Robotics Coding & Robotics Open Challenge December
- 2019 **3rd Place**, Zebra Robotics Coding & Robotics Open Challenge June
- 2018 **1st Place**, Zebra Robotics Coding & Robotics Open Challenge Winter