

Ahmed Khan

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PROJECTS

StubHub Ticket Monitor - Freelance Developer

Golang, HTTP, goquery, discordgo

- Built a real-time ticket monitoring tool that alerts users to price drops on StubHub, monitoring hundreds of events every second.
- Engineered an automated alert system using Discord webhooks to trigger notifications for price drops and profitable deals; this system now handles 100+ alerts daily, streamlining decision-making for pricing strategy.
- Implemented a scalable proxy solution that manages over 50,000 HTTP requests concurrently during peak traffic, ensuring uninterrupted service availability and optimized performance against rate limiting. .
- Developed a custom goquery script for extracting critical pricing data, resulting in accurate alerts delivered within 10-15 seconds of new information and improving overall profit margins.

Virtual Credit Card Generator - Creator

Java, FXML, Slash Banking API

- Created a virtual credit card generation system with a secure user interface for managing 25+ cards at once.
- Integrated the Slash Banking API to generate cards, implemented in under 500 lines of code with secure authentication and authorizations mechanisms.

RUAttending - Creator

HackRU Submission | React, Node, MongoDB, Web Scraping

- Designed a scalable web application utilizing React, Node, and MongoDB, capable of handling hundreds of events with real-time updates to enhance student engagement.
- Customized web scraping tools to extract vital event data from Rutgers getInvolved, providing access to over 200 events.

HatchHabit - Creator

HackTCNJ Submission | MERN Stack, OpenAI API

- Developed a web platform using the MERN stack (MongoDB, Express, React, and Node), implementing 5+ unlockable characters for a seamless user experience in tracking goals and tasks.
- Designed a robust user information model utilizing MongoDB with 10+ schema types, ensuring efficient storage and rapid retrieval of diverse user information.
- Incorporated OpenAI for a chatbot feature, delivering responses to user prompts in under 3 seconds on average, addressing a wide range of concerns.

WORK EXPERIENCE

Rutgers University - New Brunswick

Sep. 2021 – Jan. 2022

Computer Lab Technician

Piscataway, New Jersey

- Managed the maintenance and security of 40+ lab facilities and technical equipment.
- Diagnosed and collaborated with IT staff to resolve technical issues for students and faculty within a semester, ensuring optimal performance of equipment while enhancing user satisfaction.

EDUCATION

Rutgers University - New Brunswick

Dec. 2024

BS, Computer Science

New Brunswick, NJ

- Key Classes: Design of Computer Algorithms, Intro to Artificial Intelligence, Internet Technology, Systems Programming, Data Structures

SKILLS & INTERESTS

- **Skills:** Java, Python, Go, Databases (MySQL, MongoDB), API, Git, AI Training, Backend Development, Scripting Automation, Technical Servicing, Tutoring
- **Interests:** Chess, Hackathons, Collaborative Projects, Mentoring/Tutoring, *Game of Thrones*, *Community*, *Civ 5*,