

Ahmed Khan

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EDUCATION

Rutgers University | New Brunswick

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B.S. in Computer Science

Relevant Courses: Databases, Data Structures and Algorithms, Systems Programming, Introduction to Artificial Intelligence, Computer Architecture, Data Management, Software Methodology, Discrete Structures

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, C, Go, HTML/CSS, XML

Technologies: React, REST, Node, Express, MongoDB, NoSql, Git

RELEVANT EXPERIENCE

Rutgers University - New Brunswick | Computer Lab Technician

Sep. 2021 - Jan. 2022

- 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.

PROJECTS

StubHub Ticket Monitor | Freelance Developer

Tools Used: Go, TLSClient, 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 | Personal Project

Tools Used: Java, FXML, Slash Banking API

- Created a virtual credit card generation software 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.

HatchHabit | HackTCNJ Submission

Tools Used: React, Node, Express, MongoDB, 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.