Farhad Zaidi

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Career Objective

Expand my knowledge and technical skills in various fields of computer science by developing personal projects and obtaining experience in different professional environments.

Education

Kean University, B.S. Computational Science & Engineering 2024 (GPA: 3.87/4.00)
Relevant Coursework: Data Structures & Algorithms, Object Oriented Programming, Computer Architecture

Technical Skills

Programming Languages: JavaScript/NodeJS, Python, C/C++, SQL
Frameworks & Databases: React, Django, Jest, MongoDB, MySQL
Tools: Git, AWS, Jenkins, SonarQube, Postman, NGINX

Work Experience

Software Engineer Intern, Warner Bros. Discovery   **June 2022 – August 2022**
- Developed API endpoints in NodeJS to perform CRUD operations on media supply chain database hosted on MongoDB Atlas
- Significantly reduced production costs by hosting endpoints on API gateway allowing for improved scalability
- Built continuous integration tests through Jenkins Pipeline to ensure over **95%** code coverage
- Collaborated with senior developer to integrate endpoints into critical services in production environment

Geek Squad Consultation Agent, Best Buy Co. Inc.   **June 2021 - Present**
- Effectively communicated with customers on a daily basis to understand and provide solutions to technology issues
- Performed device installation and repair services with quick turnaround time resulting in **100%** client satisfaction month-month

Projects

Programming Language Interpreter   **2022**
- Designed an interpreter in Python capable of processing arithmetic expression, variable assignment, and logical operations/comparisons
- Implemented tokenizer to convert user input into token objects for parsing
- Built parser to parse token objects according to language grammar rules and return operational nodes
- Developed interpreter class to process parsed nodes and perform respective operations
- Created sophisticated syntax and grammar rules with robust error-checking to ensure seamless functionality

Python/Django Chat Web Application   **2021**
- Developed end-to-end chatting web application using Django framework
- Implemented frontend AJAX calls to allow for real time chatting without needing to refresh page
- Designed user authentication system to enable users to create accounts in order to save chats, add friends, and create a user profile
- Utilized MySQL database to store user and chat data
- Hosted web application online using NGINX