Shlok Gondalia

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OBJECTIVE

I am a developer who enjoys solving complex problems. Each day, my goal is to learn something new about Computers and keep up with the latest technology trends. My passion lies in making full-stack products as a Software Developer or Security Software Developer, which can have a company wide impact. I am also interested in making complex web applications as a Front-End developer using latest technologies.

KEY SKILLS

- **Languages: JAVA**, **Python**, **C++**, **C**, **JavaScript**, **ReactJS**, **HTML**, **CSS**, **SASS**, **C#**, **SQL**, **Bash Script**, and **R**
- **Technologies: Linux**, **macOS**, **Windows**, **React**, **Bootstrap**, **Node.js**, **Jest**, **Maven**, **JUnit**, **Webpack,** and **Docker/Container**
- **Tools: GitHub**, **Git**, **NPM**, **Travis CI**, **Code Climate**, **ZenHub**, **Slack**, and **MS Teams**
- Strong communication and collaborative skills
- Good at productive collaboration, establishing a productive working relationship, and conflict resolutions
- Knowledge of acceptable industry practices through my jobs/experience and CS classes
- Solid understanding of Data Structures concept and algorithmic skills alogn with strong leadership skills through various projects

EDUCATION

Bachelor of Science in Computer Science (Summa Cum Laude) with Mathematics Minor May 2022
University Honors Scholar GPA: 4.0
Colorado State University (CSU), Fort Collins, CO

AMAZON

SECURITY SOFTWARE ENGINEER JULY 2022 – PRESENT

- Created an ML-based anomaly model which can identify users with an unusual number of HTTP requests [Amazon RCF model (based on Isolation Forest)]
- Designed and implemented a system to cluster security issues in a date range [SentenceTransformers util community detection & sklearn CountVectorizer]
- This feature will help security engineers prioritize solutions which focus on top risks in Alexa

SECURITY SOFTWARE ENGINEER INTERN MAY 2021 – AUG 2021

- Design and implemented a smart sampling model for data loss prevention [sklearn DBSCAN & TfidfVectorizer]
- The ML model helped to catch clusters which can result in data loss 99% of the time thus reducing the overall risk by 99%
- The initial pilot projected the cost savings of **$270k/month** for the service team

CSU

WEB DEVELOPER, HONORS DEPT. SEPT 2019 – MAY 2022

- Maintain and update the website along with various online services with over 1700 daily active users
- Designed and implemented the online process for Formal Thesis which was previously based on papers
- The frontend uses MojoPortal and Bootstrap & the backend uses .NET and MS SQL Server

RESEARCH ASSISTANT, CS AUG 2019 – JAN 2022

- Inspect the quality of data through our tool from six organizations to find anomalies
- Upgrade **Python** code to improve the efficiency of the tool based on the inspection results
- Worked on the tool that can find faults in data accurately without consulting the client thus saving 2-3 days of client's time
- One of the four authors for the paper published at the IEEE Big Data 2020 conference

CYBERSECURITY INTERN, Cybersecurity Center MAY 2020 – MAY 2021

- Worked with Fort Collins Energy Department to find businesses and households that showed suspicious behavior
- Used Long Short-Term Memory (**LSTM**) autoencoder tool & **SQL** Queries to analyze data for anomaly detection
- This helped Fort Collins Energy Department to locate faulty equiments in the city

TA (CS314 - Software Engineering & CS270 – Computer Organization), CS JAN 2020 – MAY 2021, JAN – MAY 2022

- Attained students team meetings to help them with their daily scrum
- Refined course content to make it more accessible to students & taught two labs a week consisting of 20 students
- Worked as a system admin to maintain grading servers so that there are no downtime issues

PROJECTS

PERSONAL WEBSITE (React, **Java, CSS**, **GitHub**, **Node.js** & **NPM) (**Visit **here)**

- Recreated my old website in ReactJS
- Made website faster and smaller by 50% through conditional rendering

TRIP PLANNER (React, **Java, CSS**, **GitHub**, **Node.js** & **NPM)** (More info can be found **here**)

- Created a single page, mobile application, and microservices similar to Google Map where users can plan a trip.
- Semester-long project in a team-based Agile software development environment

MULTIPLAYER CHESS GAME (React, **Java, CSS**, **GitHub**, **Node.js** & **NPM) (**More info can be found **here**)

- Create a mobile responsive, single-page Multiplayer Chess game with microservices.
- In this Chess Game, the users can create their account and log in to play the game with other users.
- Passwords were hashed before storing, and the entire system ran on Authentication Token