Shlok Gondalia

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KEY SKILLS

- **Languages: JAVA**, **JavaScript**, **TypeScript**, **Python**, **HTML**, **CSS**, **C++**, **C**, **C#** and **SQL.**
- **Libraries & Frameworks**: **React, Node, Flask, Spring Boot, SASS, Bootstrap**
- **Testing: Jest, Junit & Postman**
- **DevOps: AWS Management Console, AWS CDK, Travis CI, Webpack, Docker & GitHub Actions**
- **Tools: GitHub**, **Git**, **NPM**, **JIRA**, **Code Climate**, **ZenHub**, and **Slack.**
- Strong communication and collaborative skills.
- Good at productive collaboration, establishing a productive working relationship, and conflict resolution.
- Knowledge of acceptable industry practices through my job experience and working on features from end to end.
- Solid understanding of Data Structures concepts, algorithmic skills, and strong leadership skills through various projects.

PROFESSIONAL EXPERIENCES

SOFTWARE DEVELOPMENT ENGINEER, SunPower Corporation *(Bellevue, WA-98004)* APR 2023 – PRESENT

- Helped the SPF team launch a Loan and Lease Origination System to help SunPower customers adopt solar energy faster and more easily, which currently processes about $10 million of funds annually.
- Designed and implemented an API Key authentication system enabling our Loan and Lease Origination System APIs for 3rd party client's usage.
- Helped the team design and launch RBAC in our system for users using our Loan and Lease Origination System.
- Designed and implemented data validation over large data models, thus increasing overall security for request payloads.
- Designed and implemented modular schemas to reduce code duplication by 20% and make it more maintainable.

SECURITY ENGINEER, AMAZON *(Bellevue, WA-98004)* JULY 2022 – APR 2023

- Created an ML-based anomaly model to identify users with an unusual number of HTTP requests.
- Designed and implemented a system to cluster security issues in a date range.
- This feature will help security engineers prioritize solutions focusing on top risks in Alexa, reducing turnover time by 50%.

SECURITY ENGINEER INTERN, AMAZON *(Bellevue, WA-98004)* MAY 2021 – AUG 2021

- Designed and implemented an intelligent sampling model for data loss prevention.
- 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 cost savings of **$270k/month** for the service team.

EXPERIENCES

CSU *(Fort Collins, CO-80523)*

WEB DEVELOPER, Honors Dept. SEPT 2019 – MAY 2022

- Maintained and updated the website with various online services with over 1700 daily active users.
- Designed and implemented the online process for the Formal Thesis, which was previously based on papers.
- The front end uses MojoPortal and Bootstrap & the back end uses .NET and MS SQL Server.

RESEARCH ASSISTANT, CS Dept. AUG 2019 – JAN 2022

- Inspect data quality from six organizations through our tool to find anomalies.
- Upgrade **Python** code to improve the efficiency of the tool based on the inspection results.
- Worked on a tool that can find faults in data accurately without consulting the client, thus saving 2-3 days of the client's time.
- One of the four authors of 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 the Fort Collins Energy Department locate faulty equipment in the city.

EDUCATION

Bachelor of Science in Computer Science (Summa Cum Laude) with Mathematics Minor

University Honors Scholar GPA: 4.0

Colorado State University (CSU), Fort Collins, CO

PROJECTS

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 Maps, 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, users can create an account and log in to play the game with other users.
- Passwords were hashed before storing, and the entire system ran on Authentication Token.