Gurdeep Gill

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PROFESSIONAL SUMMARY

Motivated software engineering graduate skilled in **Java**, **C#**, **JavaScript**, and **Node.js**. Proficient in **MERN stack** and **Agile** methodologies, delivering user-focused solutions. Reduced manual testing time by **30%** at Thermo Fisher Scientific.

EDUCATION

Bachelor of Science in Computer Science

California State University, Sacramento

- Coursework: **Data Structures**, **Algorithms**, **Software Engineering**, **Databases**

SKILLS

- **Languages**: **Java**, **C#**, **Python**, **JavaScript**, **Node.js**, **HTML**, **CSS**
- **Frameworks & Tools**: **MERN Stack**, **CUnit**, **TestStack**, **Visual Studio**, **VMware**, **Git**, **Jira**
- **Methodologies**: **SCRUM**, **Agile**, **Automation Testing**, **Debugging**
- **Concepts**: **Data Structures**, **Algorithms**, **RESTful APIs**, **MVC Architecture**

EXPERIENCE

Software Engineering Intern   Feb. 2021 – Feb. 2022

Thermo Fisher Scientific, Fremont, CA

- Developed **Alpha**, **Beta**, and **Smoke** test cases, contributing to the customer user manual.
- Automated test cases using **C#**, **CUnit**, **Visual Studio**, **TestStack**, reducing testing time by **30%**.
- Simulated **embedded systems** via **VMware** to validate software pre-release.
- Documented defects in **Jira**, liaising between field and engineering teams.
- Trained interns and QA engineers on testing tools.

Freelance Software Engineer, Project Cantina   Jan. 2023 – Dec. 2023

Remote

- Built a food ordering web app using **MERN stack** and **MVC architecture** for secure authentication and order management.
- Developed an admin dashboard, optimizing front-end performance.
- Integrated **RESTful APIs** for efficient **CRUD** operations.

Freelance Software Engineer, Discord Bot   Feb. 2024 – Aug. 2024

Remote

- Created a **Node.js**, **MongoDB** Discord bot for games (**Blackjack**, **Slots**, **Roulette**) with player profiles.
- Built a live betting system, increasing engagement by **50%**.
- Implemented a virtual economy with rewards and cooldowns.

PROJECTS

Hornet Fire Game   2023

- Developed a 2D game using **Java**, **Codename1**, with **OOP**, **MVC**, and **AI NPC** interactions.

Vinculum Movie Website   2023

- Built a **JavaScript**, **HTML** website using **REST APIs**, **JSON** for filtered movie searches.