Cory Starks

Software Engineer

coryd.starks@gmail.com | GitHub

Sparks, NV

775-772-3441

TECHNICAL SKILLS

Languages: Java, Python, Shell, C#, C++, C

Technologies: Java CDI, Maven, Docker, Django, Git, Bootstrap, JSON, XML, JavaFX, Linux, Apache Kafka, Netty, SQL, Junit, GCP, GPT API, .NET, Windows/PowerShell, RHEL

Tools: Jira, IntelliJ, Visual Studio Code, Visual Studio, VMware Workstation, VNC Viewer, Chat GPT

PROFESSIONAL EXPERIENCE

Sierra Nevada Corporation   **Sparks, NV**

Software Engineer 2   *Dec 2021 - Current*

- Developed an intuitive GUI that improved mission completion time by 60%, significantly reducing operational costs
- Refactored the Kafka message bus architecture, reducing the API scope by 80% and decreasing latency to ~1 ms
- Engineered RF data visualization systems capable of operating displays at a 60hz refresh rate using JavaFX/Netty
- Enforced new testing standards and optimized the existing frameworks, increasing code coverage by up to 20%
- Implemented high-level back-end data management processes using CDI, ensuring a scalable/modular code base
- Automated build process using Maven, resulting in faster building and consistent deployment across all environments
- Practiced CI/CD while designing automated testing and deployment strategy, improving release cycles/code quality

University of Nevada, Reno   **Reno, NV**

Engineering Tutor   *Sept 2019 – Jan 2022*

- Tutored students in core Computer Science courses, including Intro CS, Data Structures, Databases, and Algorithms
- Provided students with practice problems, study guides, and examples to enhance understanding of key CS Topics

PROJECTS

Dance Studio Website | *Link* • *GitHub*   **Sparks, NV**

Lead Full-Stack Developer   *May 2022 – Aug 2022*

- Redesigned website to be static on GCP, reducing annual costs by $360 and dramatically improving response times
- Utilized Bootstrap to modernize the website, focusing on mobile responsiveness, and increasing conversion rate by 20%
- Designed and implemented the full stack using HTML, CSS, JavaScript, and using Shell for automated deployment

Be Heard AI Speech Rehabilitation | *GitHub*   **Sparks, NV**

Front-End API Developer   *Aug 2021 – May 2022*

- Implemented Levenshtein distance algorithm, providing a metric to track measurable improvements in speech quality
- Designed the back end and GUI for a dynamic settings page, using .NET framework to manage account settings
- Created the layer connecting the front-end GUI to the back-end database, ensuring intuitive interaction in the application

EDUCATION

University of Nevada, Reno   **Reno, NV**

Bachelor of Science in Computer Science and Engineering   *Aug 2017 – May 2022*

Major Courses: Linux System Administration, Database Management Systems, Automata and Formal Lang, Algorithms

ADDITIONAL INFORMATION

Personal Interests: Weightlifting, Running, Plants, Guitar, Pilates