Daniel Duany

Software Engineer

Active Top Secret-Level Security Clearance

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EXPERIENCE

Software Engineer I, *Arcfield*, Rome, NY

08/2023 – Present

- Led full OEM upgrade impacting 500+ users, reducing security vulnerabilities by 85% and improving application performance by 30%.
- Developed for the Red Hat Enterprise Linux operating system using technologies, frameworks, and approaches such as security enhancements, containers, and cloud technologies.
- Contributed to 12-person Agile team deliver features on 3-week sprints, achieving 95% on-time delivery rate.
- Organized and led meetings with government project managers to analyze data/architectural changes for conversion of GOTS application to part of the central cross-domain solution.

EDUCATION

William & Mary, Williamsburg, VA

05/2022

Bachelor of Science, Computer Science

- ICPC North American Regionals 2021 contender
- ACM Member and Cypher VII Hackathon contestant

SKILLS

Languages: Java, Python, C++, C, Bash, XML, C#, Kotlin, JavaScript,

Frontend: React, Angular, Bootstrap, HTML5, CSS3

Backend: Spring MVC, Node.js, RESTful APIs

Databases: PostgreSQL, MySQL, MongoDB

Tools & Platforms: Docker, Git, Maven, Jenkins, AWS/Cloud platforms

PROJECTS

Bionic Apocalypse Video Game:

- Developed an innovative 2D RPG game in SDL2 and C++ using agile methodology in a team of 4 students.
- Incorporated unique game mechanics such as resource collection, crafting and enemy AI with 25+ hours of gameplay and 4 levels.
- Created custom collision detection and incorporated A* path finding algorithm for enemies to find the shortest path to the user. Pictures and Video of Gameplay

ParkingPal Mobile Application:

- Leveraged Android Studio, Android SDK, and Firebase to build an Android application that captured relevant environmental and user data, analyzed results to identify suitable sensors, and achieved a 93% accuracy rate.

- Implemented four distinct types of sensors (magnetic, IR, ultrasonic, and pressure) to track car activity in parking lots and garages to help faculty and students find available parking spaces around campus.
- Led 20+ Scrum meetings to continuously update application, plan and review sprints, and delegate necessary work to keep application functional.