Ryan Flynn

Software Engineer

WORK EXPERIENCE

SOLUTE, a Sigma Defense Company

Software Engineer II   August 2021 – Present

- Contributed as a vital member of the backend team for a web application utilizing Python and React that serves as a planning tool for Navy personnel.
- Successfully integrated an internal tool into the web application, saving the user significant time.
- Documented all calculations and algorithms utilized within the application's backend for inclusion in user help documentation.
- Handled data validation with Pydantic, managed PostgreSQL databases, and interfaced with REST APIs.
- Improved code quality, addressed bugs, conducted testing, and actively participated in code reviews as needed.
- Took on several DevOps roles, enhancing GitLab CI/CD pipelines and implementing infrastructure as code with Terraform.
- Utilized agile methodologies with two-week sprints and efficiently managed tasks with GitLab.
- Promoted from **Software Engineer I** (November 2022)

Cuhaci & Peterson Architects

Computational Design Programmer   January 2021 – August 2021

- Developed Python scripts to automate Revit model creation, significantly improving efficiency for architects at the firm.
- Collaborated with fellow employees to develop process-based automation tools aimed at improving workflow.
- Led Computational Design efforts as the sole programmer in collaboration with my supervisor, driving innovation within the company.
- Promoted from **Computer Programmer Intern** (March 2021)

PROJECTS

Portfolio - *JavaScript, React, Tailwindcss*

- A dynamic web app where I display my resume interactively and provide in-depth details about my work.

Savings Mapper - *Swift, SwiftUI, XCode*

- An iOS app that lets users allocate their monthly savings across various goals using interactive sliders. Users input a total amount and distribute funds among different categories.

Pet Connect - *Python, Java, Firebase, Raspberry Pi*

- A smart home system that allows homeowners to let their pets outside when they are away. An Android app lets users adjust settings, operate the door, and interact with their pet.

CONTACT

- Orlando, FL (Open to Remote)
- 407-489-7118
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SKILLS

Languages:
- Python
- Swift
- Java
- JavaScript
- Rust
- Golang

Frameworks:
- Pydantic
- Pytest
- SwiftUI
- ReactJS

Databases:
- PostgreSQL
- Google Firebase

DevOps:
- GitLab CI/CD
- Terraform
- Docker

IDEs:
- Visual Studio Code
- XCode
- Android Studio

Additional Technologies:
- Git
- REST APIs
- Apache Kafka
- Swagger
- Postman
- Poetry

EDUCATION

University of Central Florida
B.S. Computer Engineering
Minor in Psychology
Orlando, FL — December 2020

OTHER

CompTIA Security+ Certification - December 2021