Harper Foley
Full Stack Developer

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PROFESSIONAL SUMMARY

Results-driven full stack engineer with a track record of sustained superior performance across 10 years of professional experience in high-risk, ambiguous environments within software development, finance, and military special operations. Skilled at translating complex concepts for technical and non-technical stakeholders, ensuring stakeholder alignment during projects. Thrives in fast-paced, high-pressure environments and excels at tackling complex challenges.

WORK EXPERIENCE

Full Stack Developer   **Seattle, WA**
Ocean Observations Group (formerly SeaWatch)   **2022 – Present**
- Designed, engineered, and documented RESTful APIs built using Serverless Framework and AWS Lambda
- Implemented comprehensive unit tests for API endpoints using Jest.js, ensuring accurate functionality and API robustness
- Conceptualized and implemented relational database using PostgreSQL and AWS RDS

Full Stack Developer   **Seattle, WA**
Rainier Racing Co., LLC   **2021 – Present**
- Developed proprietary web-scraping programs to collect real-time gaming NFT market data
- Integrated 3P APIs to build market analysis tools for 1,000 MAUs with 99.9% uptime
- Utilized data analytics to manage a portfolio of 35+ digital gaming assets to maximize profitability with >100% ROA

Technology M&A Analyst   **San Francisco, CA**
Houlihan Lokey   **2021 – 2022**
- Utilized data-driven insights to construct complex financial and valuation models and presentations to advise C-Suite executives on four cross-border M&A transactions across multiple industries with >$2B in combined enterprise value, resulting in $10M in fees for the firm
- Created VBA code and Excel templates to automate routine data cleaning process to simplify data entry tasks for the organization, saving ~1-2 hours per task per analyst
- Performed market research and analysis, drafted press releases, reviewed and edited legal documents, and led client engagement on 10 projects valued at ~$3.5B, ensuring continuous deal flow for organization

Special Operations & Dive Engineering Officer   **Virginia Beach, VA**
United States Navy   **2013 – 2021**
- Planned and executed >500 high-risk, technical bomb disposal operations with zero mishaps
- Pioneered new disarming techniques and directed the development of the associated technical documentation for a first-of-its-kind explosive device used by all Coalition Forces in the Middle East
- Demonstrated expertise in translating stakeholder specific needs into easy-to-understand technical solutions during presentations to both internal and external senior leadership

PROJECTS

CleanAir Compass - GitHub | Live Site   **Feb 2023**
- A mapping interface and Air Quality Index alert system utilizing the PurpleAir network of sensors and API
- Built using Python, Next.js, Django / DRF, Twilio, NextAuth, and Leaflet; deployed on Vercel

ThoroughZED Analytics - GitHub   **Jan 2023**
- A gaming NFT market analysis and valuation tool trained on 50k+ sales designed for the ZED Run ecosystem
- Built using Python, Jupyter Notebook, Scikit-Learn, Seaborn, Pandas, and Matplotlib

EDUCATION

Code Fellows   **Seattle, WA**
Certificate - Advanced Software Development in Python   **2023**

Stanford Graduate School of Business   **Remote**
Certificate - Entrepreneurship / Entrepreneurial Studies   **2020**

United States Naval Academy   **Annapolis, MD**
Bachelor of Science (B.S.) - Aeronautical Engineering and History   **2013**

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript, HTML, CSS, PHP, C++
- **Web Development Frameworks:** Django / DRF, Next.js, React, Node.js, Express.js
- **Databases:** PostgreSQL, MySQL, MongoDB
- **API Development:** REST, GraphQL
- **Testing, DevOps & Deployment:** Docker, AWS, pytest, Jest.js