MESSO FRANCIS

messofrans@gmail.com | Dallas, TX

Detail-oriented Python Software Engineer with 3 years of experience specializing in environment setup, dependency management, and open-source collaboration. Proficient in pip, virtualenv, Poetry, Docker, and CI/CD pipelines. Skilled in creating reproducible development environments, resolving cross-platform dependency issues, and maintaining high test coverage using pytest. Strong written and verbal communicator with extensive remote collaboration experience. Maintains an active GitHub profile (github.com/MessoJ) with consistent contributions to community Python projects.

Work Experience

TechFlow, Inc.   *Remote*
Python Developer   *Jan 2024 - Jan 2025*

- Led the migration of legacy pip/requirements.txt setups to Poetry for modern dependency management, improving reproducibility and security.
- Maintained CI/CD pipelines using GitHub Actions and Jenkins, automating testing (pytest) and linting to ensure code quality before deployment.
- Diagnosed and resolved cross-platform dependency issues by updating and patching packages, coordinating with maintainers to upstream fixes.
- Contributed to internal and external open-source Python projects, submitting pull requests to fix bugs and add features in common libraries.
- Prepared technical documentation and environment configuration guides, enhancing remote team productivity and knowledge sharing.

CodeCraft LLC   *Dallas, TX*
Junior Software Developer   *Jan 2023 - Aug 2023*

- Developed Docker images and docker-compose files for multiple projects, enabling consistent development and testing environments for a distributed team.
- Migrated existing codebases from Python 2 to Python 3, updating dependencies and code to comply with modern Python standards.
- Wrote pytest test cases for new and legacy code, improving overall code coverage and reliability.
- Participated in daily stand-ups and design discussions as part of a geographically dispersed team, demonstrating strong communication and collaboration skills.
- Documented setup procedures and best practices, reducing onboarding time for new developers by 30%.

Education

University of Texas at Dallas   *Dallas, TX*
Bachelor of Science in Computer Science   *2023 - 2023*

- Graduated Cum Laude (GPA: 3.7/4.0)

MITx (EDX)   *online*
Machine Learning with Python- from Linear Models to Deep Learning   *2024 - 2024*

- Passed with 85%

Udacity   *online*
AWS Machine Learning Fundamentals   *2025 - 2025*

- Passed- Certified

Udacity   *online*
AI Programming with Python   *2024 - 2024*

- Passed - Certified

Additional Information

Skills

- Programming Languages: Python 3.x, Bash
- Environment & Packaging: pip, virtualenv, Poetry, Docker, Docker Compose
- Testing & CI/CD: pytest, unittest, coverage.py, GitHub Actions, Jenkins, Travis CI
- Version Control: Git (GitHub, GitLab)
- Platforms: Linux (Ubuntu), Windows, macOS
- Collaboration: Agile/Scrum, Jira, Slack, Confluence, remote teamwork

GitHub

- github.com/MessoJ