# Maryana Yurchyshyna

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**U.S. Citizen | Secret Clearance** https://maryanayurchyshyna.com

## PROFESSIONAL SUMMARY

Software Engineer 3 with 7+ years at Moebius Solutions delivering software for Department of Defense (DoD) customers, including the Office of Naval Research (ONR) and the Marine Corps. Full-stack engineer with experience in TypeScript, Python, Java, and end-to-end ownership of containerized production deployments. Trusted to independently drive work across a multi-repository microservice architecture, coordinating with clients and adjacent teams to resolve dependencies and deliver goals.

## TECHNICAL SKILLS

**Languages:**
Python, Java, TypeScript, JavaScript
**Frontend:**
React, Material UI
**Backend and APIs:**
Flask, FastAPI, REST APIs, PostgreSQL, SQLAlchemy, microservices, service integrations
**AI/ML:**
NLP, text analytics, topic modeling, embedding-based classification, entity extraction, knowledge graphs, network analysis, RAG/GraphRAG-style retrieval
**Infrastructure and CI/CD:**
Docker, Kubernetes, OpenShift, Helm, Jenkins, Apache
**Testing and Practices:**
Git, Pytest, Mocha, Python Unittest, Unit/Integration Testing, Agile/Scrum

## PROFESSIONAL EXPERIENCE

**Software Engineer 3** **January 2019 to Present**
Moebius Solutions | San Diego County, CA

**SGEN** **2024 to Present**
Python, Java, React, TypeScript, PostgreSQL, SQLAlchemy, Docker, Kubernetes, OpenShift, Helm, Jenkins, Apache, Git, Scrum

- Built CI/CD and production deployment infrastructure for a new full-stack repository, authoring the Dockerfile, Jenkinsfile, Jenkins multibranch pipeline configuration, Helm charts, and Kubernetes service/deployment YAML, then deploying production pods to OpenShift.
- Containerized services with Docker, deployed on regular release cycles with Jenkins, Helm, and OpenShift, troubleshot pods and logs, and served frontend assets with Apache.
- Led a 7-person engineering team for 2 months, coordinating priorities, execution, and delivery.
- Built and maintained full-stack features for a multiuser production application across 8 repositories in a microservice architecture
- Proactively coordinated with clients and adjacent teams, initiating meetings and seeking out required information to resolve blockers and advance assigned work.

**Sony** **2020 to 2024**
TypeScript, React, Material UI, Java, Git, Mocha, Agile, Scrum

- Built and maintained a frontend using TypeScript, React, and Material UI, as well as Java backend and GWT legacy support.
- Performed unit and integration tests with Mocha within a Git-based Agile/Scrum workflow.

**MSD** **2019 to 2020**
Python, Flask, PostgreSQL, SQLAlchemy, JavaScript, React, Git, Pytest, Agile, Scrum

- Built full-stack features using React and Python/Flask, including user interfaces and APIs backed by PostgreSQL through SQLAlchemy.
- Built Pytest integration tests around a mock database created and torn down for each test, reproducing realistic application settings to validate authentication and feature workflows while maintaining high coverage of actual use cases.
- Regularly deployed to a demo website.

## PERSONAL AI/ML PROJECT

**Release Atlas** **October 2026**
Python, scikit-learn, NetworkX, FastAPI, React, TypeScript | https://github.com/myurch/release-atlas
Explore the live project: https://maryanayurchyshyna.com/release-atlas/

- Built and evaluated Python NLP/ML pipelines for text analytics, topic modeling, embedding-based classification, and technical entity extraction.
- Added a chat-style Q&A interface backed by Ollama, allowing users to ask questions about processed application data
- Designed knowledge graphs and network-analysis tools linking sources, findings, technical entities, and application components; implemented custom GraphRAG-style retrieval and optional LLM answers.
- Built FastAPI endpoints to import GitHub data and expose analysis and retrieval, plus a React/TypeScript multi-user review interface with live updates.

## EDUCATION AND CREDENTIALS

**BS, Chemical Engineering | University of California, San Diego** **2017**
**Certifications:** CompTIA Security+ (active) | CompTIA Linux+ (active)