

John R. Molina

Little Ferry, NJ | (551) 404-7605 | jrm90@me.com | linkedin.com/in/johnrmolina | github.com/freechie | freechie.github.io

EDUCATION

Montclair State University

Montclair, NJ

Bachelor of Science in Computer Science

2024

Continuing Education: MIT OpenCourseWare 6.006 Introduction to Algorithms; Abdul Bari C/C++ Data Structures and Algorithms

EXPERIENCE

Volunteer Web and Technical Lead

2019 – Present

Yeshe Nyingpo, Inc.

New York, NY

- Maintain one public website and digital operations for a nonprofit community, supporting content updates, analytics, Mailchimp campaigns, SEO, and 700+ member records.
- Gather requirements and evaluate options for migrating away from Wix and spreadsheet workflows, translating stakeholder needs into data, reporting, content, and support requirements.

Development Assistant, Data Management Group

Dec. 2017 – Aug. 2022

Columbia University, Office of Alumni and Development

New York, NY

- Wrote SQL queries and supported Python, SSIS, MS SSRS, and Power BI workflows across 5M+ Athena/Oracle CRM records for fundraising and data-management stakeholders.
- Validated ETL and data-migration workflows through field mapping, nightly import checks, exception handling, post-load reconciliation, and documentation.
- Translated 200-300 weekly Salesforce tickets into reporting and troubleshooting work while helping process thousands of duplicates, correct hundreds of thousands of records, and cut stale production records from about 40% to 3% by 2022; that cleanup supported The Columbia Commitment from more than \$2B and about 100,000 donors at the 2017 launch to \$5.6B, 199,000 donors, and 160,000 engaged alumni at close.

Donor and Database Relations Associate

Feb. 2016 – Aug. 2017

Parkinson's Foundation

New York, NY

- Administered Raiser's Edge 7 donor records, processed 300+ daily gifts, and produced acknowledgment, batch, and gift-summary reports with quality checks.

PROJECTS

Portfolio Website Platform | *Python, Django REST Framework, React, Wagtail CMS, Docker*

- Engineered a Django/Wagtail portfolio and blog platform with 8 application-defined models/page types, REST project endpoints, Django admin/CMS workflows, and Docker.
- Hardened public-facing routes and forms with rate limiting, CAPTCHA, CSP, CSRF/session hardening, HSTS/security headers, and 18 Django/Wagtail tests.

Fusion Manaba E-Commerce Platform | *Next.js, TypeScript, Prisma ORM, PostgreSQL, REST API*

- Built a WIP e-commerce application with Next.js, TypeScript, PostgreSQL, Prisma ORM, 2 Prisma models, catalog workflows, and a cart API for checkout preparation.
- Added 9 Playwright API/browser tests for cart mutations, cookie persistence, unavailable products, failed add states, and CSP/security-header behavior.

Cross-Platform Dotfiles Automation | *Bash, BATS, macOS, Ubuntu, GitHub Actions*

- Built 80+ BATS tests for macOS/Ubuntu install flows, dry runs, idempotence, symlink behavior, syntax checks, bootstrap paths, CI smoke tests, and repo hygiene.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL, Java, C/C++, Bash, HTML/CSS

Frameworks: Django, Django REST Framework, React, Next.js, Node.js, Wagtail CMS, Prisma ORM

Databases: PostgreSQL, Oracle/Athena, SQL Server, SQLite, REST APIs, Data Modeling, ETL, Data Validation

Tools: Git, Docker, GitHub Actions, Postman, Pytest, Django TestCase, WagtailPageTests, Playwright