

# John R. Molina

[johndev.io](http://johndev.io) | [github.com/rich-txt-editor](https://github.com/rich-txt-editor) | [johnrichardmolina@gmail.com](mailto:johnrichardmolina@gmail.com) | [linkedin.com/in/jrmolin90](https://linkedin.com/in/jrmolin90)

## TECHNICAL SKILLS

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**Languages:** Python (pandas, NumPy), C/C++, PHP, Bash (Zsh), SQL (MySQL, PL/SQL, SQLite3), Java, Ruby, JavaScript (Node.js, React), Swift, HTML/CSS

**Data Analysis & Visualization:** Data Cleaning, Data Wrangling, Data Visualization (Matplotlib, Seaborn), Statistical Analysis, Predictive Analytics, Machine Learning Algorithms, Model Training and Evaluation

**Backend Development:** REST API Development (Django Rest Framework, Node.js), Microservices Architecture, Database Management (MySQL, SQLite3, PostgreSQL), Caching Strategies, API Integration, Cloud Computing (AWS, Google Cloud Platform), Docker & Containerization

**Frontend Development:** React, Tailwind CSS, Bootstrap, Material-UI, Responsive Web Design, JavaScript ES6+

**Cloud & DevOps:** Continuous Integration/Continuous Deployment (CI/CD), Git, Docker, AWS (EC2, S3, RDS), Google Cloud Platform, Kubernetes, Version Control

**Developer Tools:** Git, PyCharm, VS Code, NeoVim, IntelliJ, Eclipse, Gunicorn

**Cybersecurity:** CAPTCHA Implementation, Rate Limiting, SSL/TLS Configuration, Secure Coding Practices

## EXPERIENCE

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- AI Coding Trainer** Feb. 2024 – Present  
*DataAnnotation Tech* Remote
- Conducted training for private Large Language Models, with a focus on computer science and programming domains to enhance the efficacy of various in-house models.
  - Performed domain research to train and maintain AI Model accuracy for improved programming and Computer Science related models.
  - Implemented data-driven evaluation strategies to enhance the precision and reliability of model conversations.
  - Participated in coding projects to train two models simultaneously across multiple programming language projects.
- Development Assistant** Dec. 2017 – Aug. 2022  
*Columbia University, Office of Alumni & Development Data Management Group* New York, NY
- Managed and conducted data integrity efforts by performing data corrections using an Oracle database with PL/SQL, Excel, and Python to create a pipeline of fundraising data.
  - Reduced the unverified record population from 15% to 4%, ensuring accurate and reliable fundraising data.
  - Helped exceed fundraising targets of \$4 billion and \$5 billion year over year through strategic data engineering, resulting in deeper donor relationships and 106% more engaged alumni over previous years.
  - Spearheaded data-driven portfolio and philanthropic data verification and analysis projects using LexisNexis, Initium, and Salesforce.
  - Utilized Salesforce to deliver comprehensive data management services across the university through a user-facing ticketing system, providing top-tier customer service.
  - Collaborated closely with systems engineers, fundraisers, gift officers, and development teams to optimize data pipeline processes to enhance fundraising operations and data efficacy.

## PROJECTS

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- www.johndev.io** | *Git, Django, JavaScript, React, SQLite3, Ubuntu Droplet* January 2024 – Present
- Designed, developed and currently maintain a Django web app for my software engineering portfolio and technical blog.
  - Relational database and Django Rest Framework API implemented to store and display website content.
  - Frontend light & dark themes along with custom data manipulation tooling written in Tailwind CSS and JavaScript.
  - Developed a REST API using Django Rest Framework and SQLite3.
  - Implemented CAPTCHA, rate limiting, among other cybersecurity countermeasures in production.

## EDUCATION

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- Montclair State University** Montclair, NJ  
*Bachelor of Science in Computer Science*
- Hudson County Community College** Jersey City, NJ  
*Associate of Science in Computer Science*