John R. Molina

johndev.io | github.com/rich-txt-editor | johnrichardmolina@gmail.com | linkedin.com/in/jrmolin90

TECHNICAL SKILLS

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, Large Language 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, Gitlab, Docker, AWS (EC2, S3, RDS), Google Cloud Platform, Kubernetes, Version Control

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

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

EXPERIENCE

AI Coding Trainer
DataAnnotation Tech
Feb. 2024 – Present
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
Columbia University, Office of Alumni & Development Data Management Group
Dec. 2017 – Aug. 2022
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

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 blog.
- Initially prototyped in React, converted codebase to Django in order to meet feature deadlines.
- 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. Data manipulation tooling written in JavaScript.
- Implemented CAPTCHA, rate limiting, among other cybersecurity countermeasures in production.

Montclair State University   Montclair, NJ
Bachelor of Science in Computer Science   *January 2024*

Hudson County Community College   Jersey City, NJ
Associate of Science in Computer Science   *May 2016*