

# Jonathan Bello

Full Stack Developer | Cloud Solutions Architect |  
AI Engineer | AWS Cloud Institute Graduate

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## Portfolio and Websites

GitHub: <https://www.github.com/JbellMD/>

LinkedIn: [www.linkedin.com/in/jonathan-bello-818723116/](http://www.linkedin.com/in/jonathan-bello-818723116/)

Portfolio: <https://jbellportfolio.netlify.app/>

## Professional Experience

**RetCon, New York, NY — Machine Learning Engineer**  
February 2025 - PRESENT

- **Developed and deployed machine learning models** for NLP and computer vision, **improving onboarding by 35%** using a combination of **AWS and Vast.ai** for testing and deployment.
- **Collaborated with cross-functional teams** to integrate LLM models into large scale production systems, utilizing MLOps tools Kubeflow, MLflow, and Docker, and Redis.
- **Performed A/B testing and model evaluation**, using metrics like AUC, F1-score, or RMSE to validate and refine algorithms.
- **Collaborated with stakeholders** to identify and implement AI-driven process optimization opportunities, creating the technical roadmap on **full AI integration**.
- Engineered fully **automated data pipelines**, including intelligent **web scrapers to build robust AI Agents** for real-time dataset curation, cleaning, and model-ready formatting, **saving weeks in development time**.
- Leveraged advanced Python skills and libraries (e.g., **Pandas, NumPy, TensorFlow, Scikit**) to develop and **deploy AI/ML solutions for enterprise applications**.

**Amazon Mechanical Turk, Remote — AI Expert Worker**  
January 2025 - PRESENT

- Obtained qualifications to **test and fine tune AI Agent** models to reduce hallucinations, faulty outputs, and improve agent efficiency and accuracy.
- **Developed Python scripts** for task accuracy and quality control on MTurk.
- Designed test cases, optimized output generation, **CoT cognition, and code creation** for full stack applications to train AI agents.
- **Optimized HIT (Human Intelligence Task) completion** to achieve 100% HIT completion rate for all AI Agent training tasks.
- **Engineered a data validation pipeline** using AWS Lambda and Python to filter low-quality MTurk submissions in real-time.

## Skills

### Languages and Frameworks

JavaScript, TypeScript,  
Python, C#, Java, Bash

PHP (legacy support), Java  
Spring Boot, NextJS

### Frontend Development

React, Redux, GraphQL  
(with Apollo), HTML, CSS

### Backend development

Node.js, Django REST  
Framework, Express

Flask, Spring Boot

### Database Management

PostgreSQL, MySQL,  
NoSQL, MongoDB

### Cloud and DevOps

AWS, Azure, Microsoft  
Power Platform, Docker,  
Kubernetes, Azure,  
Terraform, LangChain

Intune, JAMF, Okta

### Testing and Quality Assurance

Jest, Enzyme, and Django  
Test, Postman,  
OpenTelemetry

SSL/TLS, encryption,  
GDPR, HIPAA, TDD,

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## Reality AI Lab, New York, NY — *Software Developer*

December 2024 - February 2025

- Primarily focused on **React feature creation, API development and documentation** for **MarvelAI SaaS** project
- Worked in **sprints with our CTO** to develop both frontend and backend feature creation to hit release deadlines.
- Conducted thorough **due diligence on user requirements** to inform strategic design and implementation decisions.
- Deployed and managed **NodeJS and Express** applications, utilizing (Turbo/Web)Pack for efficient build processes.
- Drew inspiration from related applications to propose and integrate **effective UX solutions tailored to user needs**.
- Designed and developed responsive frontend web applications using **NextJS, Shadcn, and Tailwind**, ensuring modern, intuitive UI/UX.
- **Optimized client-side bundles** leveraging RSC and SSR for enhanced performance and scalability.
- Applied expertise in **Typescript, Javascript, and React** to implement web best practices and deliver user-driven solutions

## AWS Cloud Institute, Remote — *Student Cloud Developer*

April 2024 - April 2025

- **Mastered Cloud Technologies:** Gained in-depth expertise in cloud application development, architecture, and deployment using a wide array of AWS services, including **EC2, S3, Route 53, CloudWatch, EventBridge, Kinesis, and ElastiCache**.
- **Policy Administration:** Implemented **Identity and Access Management (IAM)** for organizational management and policy administration, ensuring alignment with the principles of least privilege.
- **Database Expertise:** Deployed and administered relational (**AWS RDS and Aurora**) and NoSQL databases (**DynamoDB**), ensuring high availability and scalability.
- **AI Optimization:** Trained foundational AI models using supervised and unsupervised methods, leveraging **Amazon Bedrock, SageMaker, AWS Trainium, and AWS Inferentia2** for advanced machine learning applications.
- **Container Orchestration:** Deployed and managed Kubernetes clusters and Docker containers using **AWS ECS, EKS, and Fargate** for efficient managed orchestration.

## Licenses and Certificates

NYS Drivers License

IBM Full Stack Developer

IBM AI Developer

IBM IT Support

AWS Cloud Solutions Architect

AWS Cloud Technology Consultant

AWS Cloud Application Developer

Microsoft IT Support

Microsoft Azure Fundamentals

Google Compute Architect

## Previous Employment

**Freelance Developer**, Remote  
*Full Stack Developer*  
Dec 2023 - Feb 2025

**TWA Hotel Gym**, New York, NY  
*Fitness Manager*  
Dec 2022 - Dec 2023

**Lifetime**, Westchester, NY  
*Certified Personal Trainer*  
Dec 2021 - Dec 2022

**World Financial Group**,  
*Marketing Director*  
Jan 2017 - Dec 2021

## Languages

English, Spanish

## Education

AWS Cloud Institute, Remote — *AWS Certified Developer*

CUNY City College, New York, NY — B.S. Biology

The Bronx HS of Science, New York, NY — *HS Diploma*