Jonathan Bello

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

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Professional Experience

Amazon Mechanical Turk, Remote — *AI Engineer*
February 2025 - PRESENT

- Collaborated 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 a 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.

Reality AI Lab, New York, NY — *Software Developer*
December 2024 - May 2025

- Primarily focused on **React feature creation**, **API development and documentation** for MarvelAI **SaaS** project
- **Enhanced Scalability and Performance**: Spearheaded the refactoring of an entire application to modern frameworks, resulting in a 30% improvement in system performance and reduced downtime.
- **Frontend-Backend Synergy**: Built reusable design systems in React, integrating Figma designs and translating them into dynamic, user-friendly components, improving UI/UX consistency across projects.
- **Data Optimization**: Deployed GraphQL and Apollo for efficient backend-to-frontend data streaming, enabling real-time updates and seamless user interactions.
- **Architectural Leadership**: Conducted system architecture reviews to ensure best practices and created scalable, efficient designs for both frontend and backend systems.
- **Collaboration and Mentorship**: Played a pivotal role in agile team sprints, delivering key features while maintaining high-quality standards through rigorous testing and peer code reviews.

Skills

Languages and Frameworks

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

PHP (legacy support), Java Spring Boot

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 (EC2, S3, Lambda, CloudFormation), Docker, Kubernetes, Azure, Terraform, LangChain

Intune, JAMF, Okta

Testing and Quality Assurance

Jest, Enzyme, and Django Test, Postman

SSL/TLS, encryption, GDPR, HIPAA, TDD

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.
- **Enhanced System Reliability**: Leveraged Linux shell scripting and AWS CLI to streamline troubleshooting and optimize AWS service integrations, improving deployment efficiency and system reliability.
- **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.
- **MVP Development:** Built a cloud-native minimum viable product (MVP) for a banking business, integrating AI-powered solutions with Amazon Bedrock and creating an AI agent using Amazon Q to enhance operational efficiency.

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*

Portfolio and Websites

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

LinkedIn: www.linkedin.com/in/jonathan-bello-818723116/

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

Licenses and Certificates

NYS Drivers License

IBM Full Stack Developer

IBM AI Developer

IBM IT Support

AWS Cloud Solutions Architect

AWS Cloud Technology Consultant

Microsoft IT Support

Microsoft Azure Fundamentals

Google Compute Architect

Previous Employment

TWA Hotel Gym, New York, NY — *Fitness Manager*

Dec 2022 - Jan 2024

Lifetime, Westchester, NY *Certified Personal Trainer*

Dec 2021 - Dec 2022

World Financial Group, *Marketing Director*

Jan 2017 - Dec 2021

Languages

English, Spanish