

Daniel Balagula

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EDUCATION

New York University

Bachelor of Arts in Computer Science

New York, NY

Aug. 2013 – May 2017

EXPERIENCE

Software Engineer - Backend

Coinbase

May 2021 – Present

New York, NY

- Architected notification infrastructure supporting SMS, Email, Push, and In-App delivery channels
- Built onboarding flow and beta experience for NFT marketplace launch (nft.coinbase.com)
- Developed internal tools for non-technical teams, improving operational productivity

Software Engineer

Intelligent Retail Lab

Nov. 2019 – May 2021

Remote/Hoboken, NJ

- Built machine learning pipelines delivering key business metrics, contributing to acquisition by Walmart
- Developed services for visualizing and presenting ML model results in human-readable formats
- Created and maintained backend services with comprehensive monitoring, scaling, and alerting

Software Engineer

Quantum Circuits

June 2018 – Nov. 2019

New Haven, CT

- Joined as first software engineer; built software critical to securing Series B funding (Sequoia Capital)
- Collaborated with physicists and engineers to design core infrastructure for complex quantum systems
- Implemented highly parallel, low-latency code requiring precise timing execution
- Established development workflows and CI/CD pipelines adopted across the engineering organization

Software Engineer

IBM

June 2017 – June 2018

Rochester, MN

- Built and maintained Terraform template generator for enterprise middleware cloud deployments
- Updated infrastructure-as-code configurations to align with evolving best practices
- Tested and debugged cloud infrastructure deployments

PROJECTS

PyZTrending

Aug. 2020 – Present

- Developed Python library for detecting trending patterns in arbitrary historical datasets

Plainview

Jan. 2017 – June 2017

- Received grant from CUNY Startups on project involving archival of web content
- Designed and implemented the full stack for the web application
- Built scrapers to analyze and monitor content changes across dozens of online news publications

TECHNICAL SKILLS

Languages: Python, Go, SQL

Infrastructure: AWS, Terraform, Docker

Tools: Git, CI/CD, Monitoring & Alerting Systems