

# Daniel Balagula

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## EDUCATION

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### New York University

*Bachelor of Arts in Computer Science*

New York, NY

Aug. 2013 – May 2017

## EXPERIENCE

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### Software Engineer - Backend

*Coinbase*

May 2021 – Present

*New York, NY*

- Developing new notification infrastructure to support SMS, Email, Push, In-App, etc.
- Onboarding flow and Beta Experience for NFT website launch - [nft.coinbase.com](https://nft.coinbase.com)
- Internal tools for non-developers that increased productivity

### Software Engineer

*Intelligent Retail Lab*

November 2019 – Present

*Remote/Hoboken, NJ*

- Worked on machine learning pipelines that delivered key metrics, leading to an eventual acquisition by Walmart
- Developed services to assist with serving visualized and human-readable machine-learning model results
- Created backend services and managed them with monitoring, scaling, and alerting

### Software Engineer

*Quantum Circuits*

June 2018 – November 2019

*New Haven, CT*

- Joined the company as the first software engineer and helped build software that was essential to funding goals (Sequoia Capital)
- Collaborated extensively with non-software engineers to understand the requirements of the company's unique complex systems and designed and built core infrastructure
- Implemented highly parallel low-level code that required extremely high precision execution
- Laid out foundations for development workflows and pipelines for many of the tools now in use at the company

### Software Engineer

*IBM*

June 2017 – June 2018

*Rochester, MN*

- Built, maintained, and suggested improvements for a tool that generated Terraform templates (technology that deploys and tracks the lifecycle of a cloud deployment) used for enterprise middleware software
- Updated “infrastructure as code” files for cloud deployments to keep up with best practices and version changes
- Tested and debugged deployments of cloud infrastructure

## PROJECTS

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### PyZTrending

Aug. 2020 – Present

- Developed Python library that is able to determine arbitrary trending data given a historical dataset

### 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
- Was able to scrape, analyze, and monitor future changes for news content for dozens of different online publications

## TECHNICAL SKILLS

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**Tools:** Python, Golang, AWS