Daniel Balagula

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EXPERIENCE

Software Engineer - Backend　　　　　　　　　　　　　　　　　　　May 2021 – Present
Coinbase　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*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　　　　　　　　　　　　　　　　　　　　　　　Nov. 2019 – May 2021
Intelligent Retail Lab　　　　　　　　　　　　　　　　　　　　　*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　　　　　　　　　　　　　　　　　　　　　　June 2018 – Nov. 2019
Quantum Circuits　　　　　　　　　　　　　　　　　　　　　　　　*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　　　　　　　　　　　　　　　　　　　　　　June 2017 – June 2018
IBM　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*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

TECHNICAL SKILLS

Languages: Python, Go, SQL
Infrastructure: AWS, Terraform, Docker
Tools: Git, CI/CD, Monitoring & Alerting Systems

EDUCATION

New York University　　　　　　　　　　　　　　　　　　　　　　New York, NY
Bachelor of Arts in Computer Science　　　　　　　　　　　　　　　*Aug. 2013 – May 2017*