Colin G. Mills

New York City

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Summary: Results-driven software engineer with a proven record in architecting robust systems. My unique strength lies in combining technical expertise with an interdisciplinary background in business. From small-town roots in Bozeman, MT, to thriving in New York City, I bring a unique blend of skills to drive success in any endeavor.

EDUCATION

Georgetown University, *McDonough School of Business* — Washington, D.C.
Bachelor of Science in Business Administration — Class of 2021
Majors: International Business Regional Studies | Operations and Information Management
Minors: Computer Science | Spanish

Universidad San Francisco — Quito, Ecuador
Cumulative GPA: 4.0/4.0 — May 2019 – July 2019
One of 35 Georgetown students selected to participate in the Quito Summer Program

PROFESSIONAL EXPERIENCE

Indeed.com — New York, New York (remote)
Software Engineer — Sep 2022 – Present
- Lead complex software projects, including implementing a data pipeline platform aimed at abstracting away complexity for non-technical users. This initiative significantly improved company-wide resiliency, guaranteeing thousands of data pipelines with 99.999% uptime. Automated deployments of highly available Kubernetes infrastructure across 8 AWS regions facilitates tens-of-thousands of pods daily.
- Architect cutting-edge software solutions in the AWS cloud to support thousands of users by meticulously designing three-tier architecture systems to meet product requirements and adhere to industry best practices for optimal performance.
- Collaborate with 5 cross-functional teams to implement solutions in Python, Java SpringBoot, and Go to support all internal platforms surrounding the complete lifecycle of data to allow all Indeedians to make data-driven decisions.
- Prioritize scalable solutions by automating repeatable infrastructure deployment with Helm, designing the application and data tiers to be natively multi-cluster, and meticulously documenting procedures, ensuring resilient infrastructure, high availability, and enabling self-serve usage for a diverse and extensive user base.

Epic Hosting — Madison, WI
Systems Engineer — July 2021 – Present
- Monitored and ensured the optimal performance of over 60 Windows database and application servers, contributing to a 99.9999% availability rate.
- Promoted to lead the security review for developing an application in PowerShell and Ruby, ensuring the security of over 6,000,000 monthly network connections and safeguarding customer data privacy.
- Designed and developed custom automation software using Puppet, PowerShell, and C# to significantly enhance the scalability of Epic's fastest-growing division, reducing manual workload and improving overall efficiency.
- Orchestrated daily ETL loads between various OLAP databases by analyzing SQL packages and database performance metrics to meet our customers' data needs.

Global Business Alliance — Washington, D.C.
Strategy & Development Intern — Jan 2021 – April 2021
- Created a predictive classification data model of our 200 member companies, using BigML, which predicted vulnerable members based on key heuristics and employed targeted retention strategies.
- Coordinated a comprehensive data-integration strategy by coordinating with each team to identify and align the collection and usage of the data with communicated organizational goals to improve data quality and enhance overall data-driven decision-making.

SKILLS & ACTIVITIES

- Python, Java, SpringBoot, C++, Powershell, AWS, SQL, Database Management, CI/CD, Kubernetes
- Advanced Spanish, Beginner German
- AWS Associate Developer certified
- Interests: skiing, cooking, biking, climbing, free diving