

# RAOUL MAHTANI

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## OBJECTIVE

Data-Driven, Automation-centric SRE focused on client satisfaction. Seeking a new opportunity that allows me to work collaboratively with teams to bring the best experience possible to my target market. Firm believer in automation and enjoys constant learning.

## EMPLOYMENT

May 2022 – Present

Flatiron Health, **Senior Site Reliability Engineer, Application Platforms**

- Migrated Infrastructure to IaC: Led the migration of the healthcare subdivision from an Ansible-centric technology stack to a fully Terraform-provisioned infrastructure, implementing Infrastructure as Code (IaC). Modularized the provisioning process, reducing client deployment time from two weeks to mere minutes.
- Stability Optimization for EMR Platform: Spearheaded a stability drive for the main Electronic Medical Records (EMR) software, transitioning from a monolithic to a load-balanced architecture. Achieved a 99% reduction in infrastructure-based incidents, ensuring reliability and a seamless user experience.
- AWS Right-Sizing and Cost Optimization: Directed a data-driven, SLO-based right-sizing initiative for AWS infrastructure supporting the EMR platform. This approach optimized resource allocation and achieved over \$1 million in annual infrastructure cost savings.

July 2016 – May 2022

BlackRock, **Site Reliability Engineer, Technology Infrastructure Engineering**

- Architected application to provide a service catalog for Infrastructure
- Served as SRE for an application leveraging NodeJS, Cassandra, Angular, Ansible to provide an easy-to-use framework for infrastructure deployment.
- Integrated application into complex external systems
- Developed NodeJS based chatbot leveraging Microsoft LUIS framework to perform NLP and return performance metrics and infrastructure info using both internal and external APIs.
- Authored NodeJS based Kafka consumer to enable real time metrics
- Consistently met SLA/SLO/SLIs
- Crafted playbooks for image management/deployment and infrastructure provisioning using the HashiCorp suite (Packer/Terraform).

## SKILLS SUMMARY

- **Operating Systems:** Linux/Windows
- **Services and Protocols:** Active Directory, DFS, DHCP, DNS, HTTP
- **Programming and Scripting:** BASH, PowerShell, JavaScript, Angular, NodeJS, Ansible, HTML, CSS, PHP, Python, Terraform
- **Databases:** MySQL, MSSQL, Cassandra
- **Cloud Technologies:** Azure, AWS
- **Hypervisor/Containerization:** VMWare, Kubernetes
- **Version Control:** Git/GitHub/GitLab/Azure DevOps
- **Methodologies:** Agile, Kanban

## EDUCATION

2014

Rochester Institute of Technology

**BSc. Program (5 year)**

- Information Security and Forensics

## LEADERSHIP

2011 - 2014

Phi Kappa Psi, **Alumni Relations Chair, Co-Chair for Biggest Student-Run Event**