**­­­­Emrakh Ibragimov**

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**Objective**

I'm a cloud engineer/full-stack developer with hands-on production experience in building, updating, and maintaining infrastructure. My mix of programming expertise and infrastructure management experience allows me to bridge development and operations seamlessly.

**Certificates**

**AWS Solutions Architect – Associate (SAA-C03)** Jul 28, 2025 - Jul 28, 2028

**AWS SysOps Administrator – Associate (SOA-C02)** Aug 28, 2025 - Aug 28, 2028

**Terraform Associate (003)** Sep 14, 2025 - Sep 14, 2028

**Experience**

***Full-Stack Developer*, SOCSoter** November 2023 – Present

* Maintained and troubleshot all company infrastructure, like servers and datastores, spanning across multiple applications
* Built and operated a reporting platform that has delivered thousands of dynamic, customer-specific reports to end customers
* Rebuilt our secure authentication with 2FA and self-service password reset, reducing support tickets and strengthening account security
* Rebuilt Cron orchestration server, reducing cron job failures from 2-3/wk to 0/wk
* Implemented a long-term log retention system for end customers to meet compliance-needs
* Implemented a Phishing system to parse browser history and correlate against known phishing indicators
* Updated and maintained SIEM log ingestion, increasing reporting data reliability to ~100%

**Projects**

***Portfolio,* Personal Portfolio** emrakh.com

* Designed and operated a production-ready static portfolio using Vite, TypeScript, React, and Tailwind
* Deployed on AWS (S3, CloudFront, Route 53, ACM) with fully automated IaC (Terraform + GitHub/HCP pipelines)
* Implemented a secure, scalable, serverless infrastructure with analytics (API Gateway + Lambda + DynamoDB), AWS WAF, CloudWatch monitoring, and SNS alerts to email/Slack
* Visit the following link for a detailed explanation: https://medium.com/@ibraem1026/my-journey-deploying-my-portfolio-to-the-cloud-b6361122b87d
* The GitHub repo is public and available at github.com/emrah-i/Portfolio

**Technical Skills**

* **Cloud:** AWS (IAM, VPC, EC2, S3, CloudWatch, CloudTrail, Route 53, Auto Scaling, Elastic Load Balancing)
* **Containers & Orchestration:** Docker, Kubernetes
* **Infrastructure as Code (IaC):** Terraform
* **CI/CD:** Github Actions
* **OS:** Linux
* **Formats:** YAML, JSON, HCL
* **Accessory:** NGINX, Git
* **Datastores:** MySQL, PostgreSQL, Redis, MongoDB
* **Languages (Proficient)**: TypeScript, Python, JavaScript
* **Languages (Familiar)**: PHP, Rust

**Education**

***Bachelor’s Degree*, Pennsylvania State University** *Completed*

Major: General Biology

Cumulative GPA: 3.96

Honors: Magna Cum Laude