Curriculum Vitae

Samuel Albershtein

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E-Mail: sam.albershtein@gmail.com   My IT Portfolio: Sam's AWS Resume

Projects:

AWS Serverless Website Project (3-Tier Architecture)

- **Designed and implemented** a serverless architecture using AWS, showcasing expertise in cloud computing and modern infrastructure design.

- **Integrated** services such as **API Gateway** (handling POST, GET, OPTIONS for CORS), **DynamoDB (NOSQL)** for page view tracking, and **SES** for secure email delivery.

- **Developed** a Python-based backend for cryptocurrency tracking using CoinMarketCap's API.

- **Enabled secure CV access** via RSA-signed CloudFront URLs stored in a private S3 bucket, emphasizing proficiency in security best practices.

- **Configured** a custom domain (samuelalber.com) through **Cloudflare**, leveraging **AWS Certificate Manager (ACM)** for HTTPS and DNS integration.

- **Automated** infrastructure provisioning and deployment using **Terraform** and set up **GitHub Actions** for CI/CD pipelines, facilitating efficient frontend deployment to an S3 bucket.

- **Gained hands-on experience** with 3-tier architecture, IAM roles, and CORS handling, solidifying knowledge in key AWS services.

- **Consolidated self-taught knowledge and certifications** (RHCSA, AWS SAA, Terraform Associate) with practical application, and planning to expand skills further using Kubernetes and advanced CI/CD techniques.

AWS Scalable EC2 / Multi-AZ RDS 2-Tier Architecture

- Using **VPC**, Subnet groups, Security Groups, **ALB**, **ASG**, **EC2**, **RDS (SQL), SSM, Internet Gateway and NAT Gateway** to create an application to host Dockerized **NGINX** web servers.

- Automated Deployment using **Github Actions (CI/CD)** and Terraform modules

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Education:

2021–202x - Bachelor's Degree in Computer Science (~80/120 credits),
The Open University of Israel

IT Certifications:
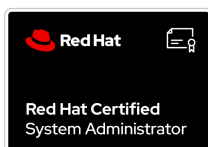
Exam Scheduled
DEC/2024

Spoken Languages Levels:

English – Advanced, Hebrew – Native, Russian – Native