Curriculum Vitae

Samuel Albershtein (System Administrator | DevOps)

Cell phone: +972-52-615-4409

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

About Me:

I am a **Computer Science student** with a strong interest in understanding how systems work, both at the infrastructure and operational levels. As a **detail-oriented junior DevOps / System Administrator**, I have built a solid foundation in **cloud infrastructure** through studying for the **AWS Solutions Architect Associate (SAA)** certification, as well as **Linux systems** (RHCSA) and **basic automation**.I am eager to develop my skills further in managing and maintaining reliable IT systems. I bring a hands-on approach, a strong problem-solving mindset, and a commitment to continuous learning.

Projects:

AWS Serverless Website Project

- **Designed and implemented** a serverless **3-tier architecture** on **AWS**, using **Python** for the backend.
- **Configured API Gateway** for handling **POST, GET, and OPTIONS (CORS)**, routing to **Lambda functions** integrated with **DynamoDB** (page view tracking), **CoinMarketCap's Crypto API**, and **SES** for secure email delivery.
- **Secured file storage** in a **private S3 bucket** with **RSA-signed CloudFront URLs** for secure CV access, distributed via **CloudFront**.
- **Implemented HTTPS** and **custom domain integration** (**samuelalber.com**) using **AWS Certificate Manager** and **Cloudflare**.
- **Automated infrastructure provisioning** with **Terraform** and facilitated **CI/CD pipelines** with **GitHub Actions** for frontend deployment.

AWS Scalable EC2 / RDS 2-Tier Architecture

- **Deployed** a **scalable 2-tier** architecture using **EC2** for hosting dockerized NGINX web servers and **RDS** for database management.
- Managed **VPC** networking with public and private subnets, including **NAT Gateway** for secure communication.
- Used basic scripting to streamline server configurations.

Skills

- **Operating Systems:** Linux (RHEL, Ubuntu)
- **Cloud Fundamentals:** AWS EC2, S3, RDS, IAM, Cloudfront, DynamoDB, Lambda
- **Networking Basics:** IP, Subnets, NAT, Security Groups, DNS, RSA, ECDSA
- **Scripting:** Bash/Python scripting for system tasks
- **Tools:** Terraform, Docker, Git

Education:

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

IT Certifications:

Exam Scheduled

Spoken Languages Levels:

English – Advanced, Hebrew – Native, Russian – Native