

# Curriculum Vitae

## Samuel Albershtein (System Administrator | IT)

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E-Mail: [sam.albershtein@gmail.com](mailto: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 System Administrator / IT Specialist**, 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 **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](http://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.

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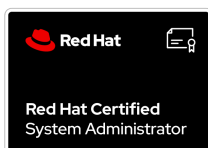
### Skills

- **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 – Fluent, Hebrew – Native, Russian – Native