

Curriculum Vitae

Samuel Albershtein (Cloud | CS Student)

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About Me:

I am a **third-year Computer Science student** at the Open University of Israel, seeking a **full-time or part-time position**. My studies at the Open University allow me the **flexibility to work full-time**.

I have a keen interest in **systems architecture**, both at the infrastructure and operational levels. As a **detail-oriented associate of DevOps**, I am currently building a foundation in **Linux systems, cloud infrastructure, and SDLC** through projects I have completed as part of my CS degree and **self-motivated studies**. These include **Python, Bash, Ansible, CI/CD, Networking**.

Education:

2021–2026 - Bachelor's Degree in Computer Science (~80/120 credits), The Open University of Israel

IT Certifications:

RHCSA - Red Hat Certified Systems Administrator - Equipped me with essential Linux expertise.

HashiCorp Terraform Associate - Terraform's best practices and functionalities.

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.

ECS-Based Multi-Environment Infrastructure with GitLab CI/CD

- Developed a scalable ECS infrastructure for **dev** and **prod** environments, integrated with an Application Load Balancer (ALB).
- Implemented a robust **GitLab CI/CD** pipeline to automate **Docker image builds**, **ECR pushes**, and **ECS service updates for Fargate**.

Spoken Languages Levels:

English – Fluent | **Hebrew** – Native | **Russian** – Native