

Yousef Jalali

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Professional Summary

AWS Solutions Architect with expertise in designing, deploying, and managing scalable and secure cloud infrastructures. Skilled in AWS services such as VPC, EC2, S3, CloudFormation, Amplify, Lambda, API Gateway, and serverless architecture to optimize web application performance and business operations. Experienced in cloud automation, cost optimization, and infrastructure as code (IaC) to enhance deployment efficiency. Proficient in React, Next.js, Python, and PowerShell for cloud-based applications and SEO automation. Currently pursuing CCNA certification to expand networking and cloud expertise.

Technical Skills & Tools

Cloud Computing & DevOps:

- AWS Services: VPC, EC2, S3, CloudFormation, Lambda, API Gateway, Amplify, CloudFront
- Infrastructure as Code (IaC): CloudFormation, Terraform (Basics)
- Automation & CI/CD: AWS CodePipeline, AWS CLI, PowerShell, Python
- Security & Networking: AWS IAM, VPN, DNS, TCP/IP, Firewall Configurations

Web & Application Development:

- Frontend & Backend: JavaScript, React, Next.js (SSR), Node.js, Python
- Databases: MySQL, Firebase Authentication
- Payment Integration: Stripe for subscription-based platforms
- SEO & Performance Optimization: SEO automation with Python & PowerShell

Professional Experience

AWS Solutions Architect

GTArealmmedia.com – Toronto, ON | January 2024 – Present

- Architected and deployed scalable cloud infrastructures using AWS services such as EC2, S3, Lambda, and CloudFormation.
- Implemented serverless applications with AWS Lambda & API Gateway, reducing infrastructure costs by 30%.
- Automated infrastructure deployments using CloudFormation and PowerShell, reducing provisioning time by 40%.
- Optimized cloud security by implementing IAM roles, VPNs, and encryption standards.
- Developed SEO automation solutions leveraging Python and PowerShell to enhance website traffic and improve Core Web Vitals.

Cloud Projects & Achievements

GrandpaOliver.com – Subscription-Based Web Application

AWS Cloud Infrastructure for Digital Content Platform

- Technologies Used: AWS Amplify, Lambda, API Gateway, CloudFront, Firebase, Stripe, React, Next.js,
- Deployed a full-stack cloud-native application delivering magical bedtime stories for children.
- Reduced backend costs by 35% using serverless functions (Lambda & API Gateway) for subscription management.
- Integrated Firebase Authentication for secure user access to premium content.
- Optimized global content delivery using AWS CloudFront, improving page load speeds by 50%.
- Implemented Stripe Payments for handling multiple subscription models (Monthly, Yearly, Trial).

AWS Cloud Setup for Small Law Firms

Developed a reusable AWS CloudFormation template to automate cloud infrastructure setup for small law firms. The solution enables secure remote access, scalable networking, and centralized document storage. Features include automated VPC creation with public/private subnets, secure VPN access, and S3 storage for legal documents. This setup enhances security, improves collaboration, and ensures compliance with data protection standards.

AliExpress-Scraper – Automated Product Research Tool

Designed a Python-based tool to extract and analyze winning products from AliExpress using RapidAPI, filtering products based on sales volume, ratings, and price thresholds. Integrated with PowerShell for automation, enabling scheduled scraping and report generation in Excel. This tool helps e-commerce businesses identify profitable products quickly without manual research.

SEO Automation & Website Optimization Tool

Built an SEO automation platform to audit, optimize, and track website rankings on Google. Utilized Python (Flask) for backend automation, React (Next.js) for frontend SEO tools, and PowerShell for scheduled SEO audits. Features include competitor analysis, backlink tracking, Core Web Vitals optimization, and automated structured data enhancements, helping businesses improve search rankings and website performance.

Personal Portfolio & AI VoiceOver Project

Developed a cloud-hosted portfolio website using React.js and AWS Amplify to showcase skills, projects, and experiences. Integrated AWS Lambda for backend logic and AWS CloudFront for optimized content delivery. Additionally, worked on an AI-based VoiceOver project using deep learning models for speech synthesis, enhancing digital content accessibility and automation in media.

production.Education

- DCS / DEC in Network Administration – Herzing College, Montréal, QC (June 2014 – May 2015)
- Diploma in Professional Sales Representative – Saint Pius College, Montréal, QC (September 2015 – September 2016)

Soft Skills

- Problem-Solving & Troubleshooting – Strong ability to resolve cloud and infrastructure challenges efficiently.
- Collaboration & Leadership – Worked cross-functionally with teams to enhance AWS environments.
- Time & Project Management – Delivered cloud projects on time, improving deployment workflows.

Languages

- English – Professional Proficiency • French – Intermediate Proficiency

