

SINAN CIRAK

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PROFESSIONAL SUMMARY

AWS-certified Cloud Engineer with 5+ years of independent development experience. Built and deployed 3 production serverless SaaS applications on AWS using Lambda, API Gateway, DynamoDB, Cognito, CloudFront, and Terraform. Holds 7 professional certifications including AWS Solutions Architect Associate, Developer Associate, and AI Practitioner. Experienced in full-stack development with React and TypeScript, Infrastructure as Code, and AI integration using Amazon Bedrock.

EXPERIENCE

Cloud / DevOps Engineer | AWS • Terraform • Serverless

Nov/2020 – Present

Celsin, Hamilton, ON

- Built and launched 4 production serverless SaaS applications on AWS using Lambda, API Gateway, DynamoDB, Cognito, CloudFront, and Terraform IaC
- Integrated Amazon Bedrock for AI-powered CV and cover letter generation within a live SaaS product — tailored to job descriptions using user profile data
- Provisioned and managed 70+ AWS resources using Terraform ensuring reproducible, auditable, and cost-aware infrastructure deployments
- Implemented least-privilege IAM policies and Cognito-based authentication for secure multi-tenant data isolation across production environments
- Monitored application health and operational behavior using CloudWatch logs and metrics to support reliability and troubleshooting
- Developed and deployed client websites covering frontend, backend, and hosting setup for small businesses
- Operated an Amazon seller account managing product listings, inventory, and order fulfillment

Technical Operations & Automation Owner

Nov/2015 – Nov/2019

Celsin Teknoloji Ltd., Ankara, Turkiye

- Developed and maintained backend systems for e-commerce platforms handling order processing, inventory tracking, and data management
- Automated reporting, order tracking, and operational monitoring using Python scripts and API integrations to reduce manual effort
- Managed Linux-based hosting environments including web server configuration, database optimization, and application performance tuning
- Improved system reliability and uptime through process automation, infrastructure tuning, and proactive monitoring

Shift Coordinator

Jan/2020 – May/2020

Mondelez (Kelly Services), Hamilton, ON

- Coordinated staff shift schedules and tracked work hours.
- Maintained accurate operational records and supported daily team operations.

PROJECTS

CVault – Secure File Vault (SaaS, Live) (September, 2025)

- Built a cloud-native serverless SaaS application for secure file storage on AWS
- Implemented secure file upload/download using S3 presigned URLs and encryption
- Designed authentication and access control using Cognito and IAM (least-privilege)
- Deployed globally with CloudFront, custom domain, and SSL (ACM)

Live Demo: <https://cvault.cirak.ca>

CTrackr – Job Application Tracker (Saas, Live) (December, 2025)

- Built a full-stack serverless application using AWS Lambda, API Gateway, DynamoDB, and React to manage and track job applications
- Integrated AI-driven CV tailoring and cover letter generation aligned with job descriptions and keywords
- Designed secure multi-user architecture with isolated data access using Cognito and IAM
- Deployed the application using CloudFront with a custom domain and HTTPS for global access

Live Demo: <https://ctrackr.cirak.ca>

CCoster – AWS Cost Estimation Tool (Saas, Live) (January, 2026)

- Developed a React-based tool to estimate AWS infrastructure costs from Terraform configurations
- Implemented dynamic resource detection and cost calculation logic
- Designed interactive UI for real-time cost analysis and usage-based estimation
- Enabled developers to visualize and optimize cloud costs before deployment

Live Demo: <https://ccoster.cirak.ca>

Cmail – Serverless Email Platform -AWS (SaaS Live) (April 2026)

- Architected a serverless, event-driven email system using AWS Lambda, API Gateway, S3, DynamoDB, and SES, eliminating server management and enabling automatic scaling
- Designed an asynchronous email processing pipeline (SES to S3 to Lambda to DynamoDB) for reliable ingestion and metadata indexing
- Implemented secure APIs with API Gateway and Cognito (JWT-based authentication) to control access and protect resources
- Deployed a React frontend on S3 with CloudFront CDN, ensuring low-latency global access and seamless integration with backend services

Live Demo: <https://cmail.cirak.ca/>

SKILLS

Programming & Automation

Python, Java, JavaScript, Bash, C# (.NET), PHP

Web Development

React, HTML, CSS, REST APIs, API Integrations

Databases

SQL, PL/SQL, Database Theory, Data Management Concepts

Cloud & Infrastructure

Lambda, API Gateway, S3, EC2, DynamoDB, CloudFront, IAM, Cognito, CloudWatch, Terraform, Serverless Architectures, Infrastructure as Code (IaC), Route53, Jenkins, CI/CD Pipelines, GitHub Actions

Operating Systems & System Administration

Linux, UNIX Administration, Windows Environments, Server Configuration, System Administration

Networking

TCP/IP, Subnetting, DNS, DHCP, Routing & Switching Fundamentals, Network Infrastructure, Wireless Networking

Servers & Platforms

Web Server Administration, Email Server Concepts, Virtualization, Server Platforms & Network Security

Security

Cybersecurity Assessment Concepts, Network Security Fundamentals, Identity & Access Management, Encryption & Access Control

Tools & Development Environment

Git, CI/CD Concepts, Visual Studio Code, Visual Studio, IntelliJ IDEA

Languages

Turkish (Native), English (Professional Working Proficiency)

EDUCATION

Advanced Diploma, Software Development

Jun/2024

Mohawk College – Hamilton, ON

Diploma, Network Systems

Jun/2026

Mohawk College – Hamilton, ON

CERTIFICATIONS

- **AWS Certified Solutions Architect - Associate (SAA-C03)**, AWS – November, 2025
- **AWS Certified Developer - Associate (DVA-C02)**, AWS – October, 2025
- **AWS Certified Cloud Practitioner (CLF-C02)**, AWS – July, 2025
- **HashiCorp Certified Terraform Associate (003)**, HashiCorp – August, 2025
- **Microsoft Certified Azure Fundamentals (AZ-900)**, Microsoft – March, 2023
- **Microsoft Certified Azure Data Fundamentals (DP-900)**, Microsoft – March, 2023
- **AWS Certified AI Practitioner (AIF-C01)**, AWS – August, 2025

VOLUNTEER EXPERIENCE

Volunteer Organizer

May/2003 – May/2008

Lotus Bildungszentrum e.V. – Herne, Germany

- Organized youth education programs, events, and mentoring activities for children and adolescents over 5 years