

# Baker Alakhras

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## Education

### Bahcesehir University

July 2025

Bachelor of Engineering in Software Engineering (High-Honors)

## Skills

**Languages:** Python, Java, Dart, Bash.

**Cloud & DevOps:** Azure, AWS, Docker, Kubernetes, GitHub Actions.

**Infrastructure & Monitoring:** Terraform, Prometheus, Grafana, Azure DevOps, Git.

**Database:** MySQL, PostgreSQL, MongoDB.

## Experience

### Cloud Consultant Intern, PricewaterhouseCoopers – Amman, Jo

June 2024 – Sept 2024

- Optimized deployment processes, reducing manual effort by 20% by implementing Docker-based containerization for scalable Azure applications, improving consistency across environments.
- Increased development efficiency, improving CI/CD workflows and reducing deployment time by 25% by automating testing and deployment pipelines, leading to faster and more reliable software releases.
- Enhanced cloud infrastructure reliability, minimizing errors and accelerating provisioning time by 20% by developing Infrastructure as Code (IaC) solutions using Terraform to automate cloud resource management.
- Improved system performance monitoring, reducing downtime by 15% and improving response time by 20% by deploying Prometheus and Grafana for real-time observability and proactive issue detection.

### DevOps Intern, EarTech IT – Istanbul, TR

June 2023 – Jan 2024

- Engineered Python-based applications and deployed them through CI/CD workflows, leveraging Azure Virtual Machines and Azure Functions to improve deployment efficiency and reduce manual intervention.
- Automated repetitive tasks using Python scripts, accelerating processes by 25% and streamlining the integration of Azure SQL Database and Azure Cognitive Search within CI/CD pipelines.
- Optimized application performance and deployment, reducing downtime by 15% and enhancing UX by integrating Azure Blob Storage, Azure CDN, and Cosmos DB to refine system responsiveness and stability.

## Projects

### SentinelAI- Autonomous Incident Remediation Platform.

<https://github.com/bakralakhras/SentinelAI-Native>

- Developed a real-time incident responder using FastAPI, Prometheus, and Alertmanager for infrastructure monitoring.
- Implemented OpenAI/Cohere APIs to generate automated troubleshooting steps and trigger self-healing scripts.
- Containerized with Docker Compose, integrated Slack alerting and automated recovery workflows.
- Engineered for Azure AKS scaling with IaC via Terraform and CI/CD automation (GitHub Actions).

### Terraform Solution

<https://github.com/bakralakhras/Terraform-Scalable-solution>

- Provisioned and managed Azure cloud infrastructure using Terraform, enabling automated, consistent, and scalable deployments, reducing manual configuration errors.
- Configured Azure Virtual Network (VNet) and Subnets to establish a secure and organized network topology, improving communication between resources while maintaining isolation and security.
- Deployed Azure Virtual Machines within designated subnets, ensuring controlled traffic flow and enhancing security measures, leading to improved system performance and reliability.

## Certificates & Awards

[Azure Solutions Architect Expert](#) (AZ-104)

Dec 2024

[Azure Fundamentals](#) (AZ-900)

Aug 2024

AWS Certified Solutions Architect Associate

In-Progress