

# Cahit Öz

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- Over 20 years of experience in IT, including 12+ years coordinating and integrating geographically dispersed teams.
- Proven expertise in designing and implementing secure, highly available, and cost-effective infrastructure and software solutions, adhering to industry standards and regulations (e.g., hardening, vulnerability scanning, DevSecOps, CI/CD).
- Extensive experience implementing High Availability (HA) systems and Disaster Recovery (DR) solutions, considering cost optimization and RTO/RPO requirements.
- Proficient in containerizing applications and orchestrating them using Kubernetes, EKS, and ECS.
- Skilled in requirements management, process documentation, and optimization.
- A Cloud enthusiast with hands-on experience in AWS, Azure, and Google Cloud, as well as platform-independent tools like Terraform, Kubernetes, Packer, and Docker.

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## Experience

### Solution Architect (Freelancer)

November 2024 - March 2025

DIE MOBILIAR (BERN/SWITZERLAND)

- Conceptualized and designed a Landing Zone for PowerApps applications within the Azure cloud environment.

#### **Used technologies, Tools and Methodologies**

Kubernetes, CrossPlane, Azure, Golang

### Consultant, Developer (Freelancer)

February 2024 - November 2024

BUNDESWEHR IT (BWI)

- Conducted vulnerability scans of infrastructure to identify security weaknesses
- Implemented hardening measures to improve the security posture of the infrastructure.
- Performed penetration testing to assess system resilience against attacks.

#### **Used technologies, Tools and Methodologies**

Golang, Kubernetes, REDHAT, SLES, Docker, NMAP

# Consultant (Freelancer)

June 2023 - February 2024

MISUMI EUROPE GMBH

- Coordinated AWS-related changes with stakeholders, ensuring alignment and effective communication.
- Optimized AWS resources for cost and performance, achieving on Some Services savings of %90 Percent.
- Enhanced the Disaster Recovery (DR) strategy and pipelines
- Advised development teams on designing highly available (HA) systems, promoting best practices.
- Improved the system's security posture

## Used technologies, Tools and Methodologies

AWS Backup, Security, AWS WAF, Cloudflare, EC2, Aurora, EKS, Apprunner, Containers, Docker, High Availability, Disaster Recovery

# Senior Technology Architect

Februar 2023 - June 2023

BEARINGPOINT GMBH

- Provided consulting services to clients migrating SAP systems to the cloud, focusing on AWS

## Used technologies, Tools and Methodologies

SAP, Data Analytics, EC2, SAP Activate, Cost Optimization, High Availability, Disaster Recovery

# Solution Architect

May 2022 - October 2022

LUFTHANSA INDUSTRY SOLUTIONS

- Hardened multiple environments against identified vulnerabilities, improving overall security.
- Enhanced the development environment with CI/CD pipelines using GitHub Actions, streamlining the software delivery process.
- Implemented network firewalls and a transient gateway to secure communication between VPCs and the internet.
- Integrated AWS infrastructure with APIGEE (Google's REST API Gateway) running on GCP, enabling secure API access.

## Used technologies, Tools and Methodologies

Terraform, Amazon Inspector, Amazon Code Build, Amazon Code Deploy, Amazon Code Pipeline, APIGEE

# Solution Architect

September 2019 - April 2022

SIEMENS INDUSTRY SOLUTIONS

- Automated and optimized cloud infrastructure creation for prospective customers.
- Developed a web portal for users to request infrastructure for POCs.
- Containerized server systems using Docker, improving portability and scalability.
- Automated recurring tasks using AWS Lambda functions, increasing efficiency.
- Implemented Infrastructure as Code (IaC) using CloudFormation and Terraform for automated infrastructure deployments.
- Created a VDI infrastructure using Workspaces and AppStream to provide secure access to the environments.

## Used technologies, Tools and Methodologies

Terraform, Amazon Inspector, Amazon Code Build, Amazon Code Deploy, Amazon Code Pipeline, API Gateway, AZURE, GCP

# Consultant (Freelancer)

March 2019 - Juli 2019

CHRIST JUWELIERE UND UHRENMACHER SEIT 1863 GMBH

- Rollout of Fiskalisierung in Austria for GK Cash Registers
- Requirements gathering
- 3rd. Level Support

## Used technologies, Tools and Methodologies

GK Cash Registers

# Programm Manager / Solution Architect(Freelancer)

May 2019

LTI - LARSEN & TOUBRO INFOTECH

- Submitting a Proposal to Migrate 53 on premise SAP Servers (Prod/Dev/Test) to the AWS cloud.
- During this migration, 23 instances that use Oracle DB should have been transformed to SAP HANA and 30 environments migrated via Lift&Shift
- The main objective of the customer is to optimize the environment for cost and agility and minimize its IT footprint.

## Used technologies, Tools and Methodologies

SAP HANA, SAP ASE, Software Update Manager (SUM), database migration option (DMO), Cloudformation, System Manager, EC2, Lambda, Route53, S3, Glacier, AWS Direct Connect, Palo Alto, Kaspersky

# Solution Architect/Consultant (Freelancer)

January 2019

ALDI SÜD INTERNATIONAL SERVICES

- Analyzing the Onpremise and AWS Cloud infrastructure and reporting the requirements needed to fulfill the PCI/DSS 3.2.1 requirements

## Used technologies, Tools and Methodologies

AWS, Datenzentren, SAP Hybris, SAP, ADOBE Experience Manager

# Projectmanager / Consultant

October 2017 - December 2018

AMADEUS DATA PROCESSING GMBH (ERDING) (TEMPORARY EMPLOYMENT)

- Ensuring that communication within the internal and external network is PCI/DSS compliant. That communication is established over TLS 1,2 only and using strong ciphers.
- Establishing systems to track customer readiness and F5 configuration monitoring.
- Coordination of remote and onsite teams that handle the Application, Server and Cloud infrastructure.
- Design of Software Solutions that are used to track vulnerabilities.

## Used technologies, Tools and Methodologies

AWS Cloud, Amazon ECS, Kubernetes, System Architecture, JIRA, Confluence, SLA, Network scanners, Nmap, Citrix, Thin / Fat-Client, TLS-Scanner, Security, Vulnerability-Scanner, Elastic Search, Kibana

# Developer / Project Manager / Solution Architect

March 2017 - October 2017

## OPTIMIZE ROUTE (FOUNDER OF THE STARTUP)

- The optimized routes were then transferred to the phone of the driver (The Ionic framework was used to establish a solution for iPhone, Android and Windows based Phones)
- Development of a Software Solution that optimizes destinations that are entered through an API either based on Time or Distance
- For scalability the Google FIREBASE database was used.

### **Used technologies, Tools and Methodologies**

Google Maps, Google Cloud Platform, Microservices, Google Functions, Docker, Google Firebase, IONIC Framework, PHP, Node.JS, Angular JS, Maria DB, FIREBASE, HTML, CSS, Java Script

# Projekt Manager

January 2016 - March 2017

## GK SOFTWARE AG (HOME OFFICE)

- Responsible for the design of the Application and Technology Architecture and managing their implementation for the Retail sector.
- Leading workshops to analyze the IS State and gather customer requirements.
- Monitoring and Reporting the project status, ensuring that the project is within the defined budget, quality and proceeding according to plan.
- Responsible for the delivery of Licenses, Software and integrating our systems to services provided by 3rd parties.

### **Used technologies, Tools and Methodologies**

System Architecture, JIRA, Confluence, SAP, SAP-HANA, Oracle, MS-SQL, Java, IIS, Tomcat, NetWeaver, POS, Label and Poster Printing, Scale, Self-Checkout

# Military Service

December 2014 - May 2015

## TURKISH MILITARY (ISTANBUL/TURKEY)

# Solution Architect / Projekt Manager / Team Leader / Software Developer

July 2008 - December 2014

## UNIFY INC. / ICTERRA INFORMATION & COMMUNICATIONS A.S. (ANKARA/TURKEY)

- Gathering requirements and designing the System and Software Architecture.
- Problem management, Incident Management and ensuring that they are solved within the time frame specified by the SLA.
- Working in multicultural environment acting as single point of contact between Product Owners across Europe and the Development and Test Teams in Turkey.
- Designing, preparing and updating the required documents, tools and reports informing stakeholders about the Project status.
- Ensuring that the customer system environment (CMDB) is kept up to date.
- As a Product Owner was responsible for developing a new Software Solution. (modernisation of an existing system)

### **Used technologies, Tools and Methodologies**

Product Owner, BPMN, SDLC, SLA, KPI, VoIP, SIP, HFA, TDM, Unified Communications, C, C++, ECL, Java, PHP, Perl, Soft Clients

# Global Vendor Support / Service Manager

March 2007 - July 2008

SIEMENS ENTERPRISE COMMUNICATIONS (ANKARA/TURKEY)

- Responsible for two Software Applications to enhance customer satisfaction.
- Problem and Incident Management, Root cause analysis, release Management.
- Ensuring that problems were solved, within the times defined by the SLA.
- Regular reporting regarding for Management about Incidents and Problems.
- Requirements gathering.

## **Used technologies, Tools and Methodologies**

ITIL, SLA, User Management, Fault Management, Quality of Service Management, (BSS/OSS) , Java,

# Project Management / Software Development Specialist

February 2005 - March 2007

UZEL HOLDING (ISTANBUL/TURKEY)

- Was responsible for the ERP upgrade of a newly Acquired German company and its integration with the SAP system.
- Responsible of elevating the level of services provided by the IT department using COBIT and ITIL
- Implementing solutions to automate processes in Automotive Manufacturing.

## **Used technologies, Tools and Methodologies**

COBIT, ITIL, IT Service Management, Project Management

# Software Development Engineer

August 2004 - February 2005

SFS (ISTANBUL/TURKEY)

- Responsible for enhancing their Software Solution based on customer Requirements.

## **Used technologies, Tools and Methodologies**

Visual Basic 6, ASP, .NET, Jasper Reports, UML

# Automation Programmer

January 2002 - March 2004

AMA SYSTEMS GMBH – PFORZHEIM

- Porting a Software Monitoring Server System, running under HP-UX, to a Server-Client System that would, on the client side run on Windows Desktop Computers.
- The system was used to evaluate the Quality of the spraying process of Automobiles.

## **Used technologies, Tools and Methodologies**

PASCAL, DELPHI, C, C++, UML

# Tutor

October 1999 - July 2001

OFFICE OF LIFELONG LEARNING (EDINBURGH/UK)

Giving lectures on the following subjects

- Visual Basic for Beginners
  - Visual Basic for experienced programmers
  - Programming for the Web
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# Education

Bachelor of Science - Software Engineering

Dezember 2001

UNIVERSITY OF EDINBURGH

Diploma - Computer Programming

July 1998

EASTERN MEDITERRANEAN UNIVERSITY

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# Skills

## PROGRAMMING LANGUAGES & TOOLS

- Java, C#, VB, PHP, C, C++, R, NodeJS, React, Angular, Go, Python, Terraform

## DATABASES

- Oracle, MS SQL, MySQL, NoSQL, Firebase, Aurora, Mongo DB, DynamoDB

## SECURITY

- CIS Benchmark, DevSecOps, SAST, DAST, IAST, Vulnerability Scanning, Penetration Testing, Hardening/li>

## TECHNOLOGIES

- ✓ Migrating Datacenters, Software Solutions into the cloud (Lift & Shift / Optimization for the Cloud), Microservices, REST-API
- ✓ Security, Telecommunication, Integration, Requirements Garhering

## OTHER

- ✓ Cross Functional Teams
  - ✓ Agile Development & Scrum
  - ✓ DevOps, CI/CD
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# Certifications & Qualifications

- 🏆 AWS Solutions Architect Professional
  - 🏆 SAP on AWS Speciality
  - 🏆 Data Analytics Speciality
  - 🏆 AWS Security Speciality
  - 🏆 Microsoft Azure Fundamentals
  - 🏆 PRINCE2 Practitioner
  - 🏆 Certified Kubernetes Administrator
  - 🏆 Kubernetes and Cloud Native Associate
  - 🏆 Google Badges
  - 🏆 Product Owner
  - 🏆 Scrum Master
  - 🏆 ITIL Foundation (EXIN)
  - 🏆 Modelling with UML (MID Akademie)
  - 🏆 Prozess Modelling and Optimization with BPMN 2 (MID Akademie)
  - 🏆 HIPATH4000 for Consultants (Siemens Enterprise Communications)
  - 🏆 AWS Solutions Architect Associate
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