

## Eligibility

- 🇬🇧 **UK Right to Work:** Citizen : United Kingdom
- 📄 **Contract Types:** Inside and Outside IR35, Paye
- ✅ **Work Authorization:** Eligible to work in the UK
- 🔒 **Security Clearance Active :** NATO, NSV, SC, CNI, BPSS
- 👁️ **BackGround Checks :** Concentra / Sterling, IBM



## Career Objective

An experienced and hands-on **contract solutions architect** engineer who understands clients requirements and successful implementations.

## Core Competency

- 🤖 Deep expertise in building and deploying Generative AI solutions, with extensive hands-on experience developing Large Language Model applications
- 🔄 Advanced implementation skills in RAG architectures, vector databases, and modern LLM frameworks
- 🔒 Expert-level knowledge of AI security practices, including prompt injection prevention, data privacy controls, and secure model deployment
- 🏗️ Track record of shaping enterprise architecture decisions, focusing on scalable and maintainable AI solutions

## Relocation

Erdem has experienced life in over 10 cities worldwide, driven by his international career.

## Experience Summary & Education

I finished high school at Severna Park High School in Maryland, USA and due to my interest in computers, I pursued Computer Information Technology at Southern New Hampshire University.

I am a full-stack DevOps engineer who is passionate about software projects and challenging architectures, such as continuous delivery. I have experience leading teams of more than five engineers and love to explore new technologies.

## 🌟 Contributions / Achievements 🌍🚀

- 🏢 Founded and scaled a **DevOps contracting business** in the United Kingdom and expanded globally 🌍👛
- ☁ Served as a **Cloud Solution Architect at Microsoft**, transforming enterprises with cloud technologies. 🔧
- 📊 Managed multiple projects as a **Manager at Accenture**, ensuring top-notch quality and delivery. ✅
- ✅ Built a social platform actively used by **British American Tobacco**. 🌐
- 📈 Architected an **ad server platform** serving up to **1 billion views per month** 🚀📊
- 🧠 Developed a **personality assessment program** used by 3 million users 👤📱
- ✅ Engineered a **big data system for Iddaa**, Turkey's leading sports gaming provider 📊
- ₺ Designed a **white-label Bitcoin exchange system** supporting continuous delivery ₺🔄
- 🏆 Recognized as a **Most Valuable Professional (MVP)** for Versant/db4o, an object-oriented database 🏆📁
- 🤖 Contributed to **open-source communities** and projects related to AI 🌐🧠
- 🚆 Helped build a **secure microservice platform** for the Ireland train system 🚆🔒
- ✅ Built an **on-premise Kubernetes platform** for a leading telecom and electric system operators 📞🔧

From cloud transformations to groundbreaking platforms, I've delivered impactful solutions worldwide! 🌟🌍

## Value Proposition

Continuous Delivery (CD) is a software development strategy that empowers organizations to deliver new features to users swiftly and efficiently. As a **Contract Solutions Architect**, the focus is on designing and implementing a robust, repeatable, and reliable CD process that ensures seamless progression of software from concept to customer. The core objective is to establish an **automated software production pipeline** that supports a consistent and controlled flow of changes into production environments. This pipeline integrates key practices such as **automated testing**, **continuous integration**, **environment management**, and **deployment automation**, all while maintaining high standards of quality and reliability. By leveraging CD, organizations can achieve faster time-to-market, reduced risk, and enhanced adaptability to evolving business needs, making it a critical component of modern software delivery architectures.

## What do I deliver as a contractor?

-  Maintain high team performance and prioritize automation.  
  -  Help developers build testable code with less effort  
  -  Trunk-based development via effective communication with the team 
  -  Assist operations in creating systems that can be easily rebuilt.  
  -  Improve agile work for better efficiency  
  -  Set up monitoring systems to keep everything on track.  
  - Create metrics that add value, such as deployment speed  
  -  Make complex technology work in a simplified manner.   
  -  Include security considerations early in the project.  
  -  Implement technical practices on SonarQube  
  -  Technical debt management to keep things clean  
  -  Kanban WIP limit implementation for better workflow  
  -  Create automated tests to ensure quality  
  -  Divide and conquer tasks for efficiency  
  -  Pair programming to prevent groupthink  
  -  Communicate with 3rd parties for seamless collaboration  
  -  Implement zero exception policies for reliability  
  -  Maturity assessment to track progress  
  -  Software estimation for better planning  
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## Security

As an experienced DevOps Engineer with a strong background in **Identity and Access Management (IAM)**, I have extensive hands-on experience managing Active Directory (AD) and Azure AD environments. My work involves designing, deploying, and optimising directory services across global infrastructures, ensuring scalability, security, and compliance with regulations such as **GDPR** and **HIPAA**. My IAM expertise covers Privileged Access Management (PAM), Single Sign-On (SSO), Multi-Factor Authentication (MFA), and identity lifecycle management, enabling efficient and secure access control within complex environments.

### Key Achievements:

- **IAM Integration & Migration:** Led directory services migrations and IAM automation projects, seamlessly integrating **AD and Azure AD** with a variety of IAM tools, ensuring a secure and scalable infrastructure.
- **Automation & Scripting:** Proficient in scripting languages like **PowerShell**, used to automate IAM-related directory tasks, domain provisioning, access policies, and standardisation of organisational unit (OU) structures.
- **Security & Compliance:** Implemented IAM best practices to control access, monitor compliance, and mitigate security risks in line with industry regulations, ensuring adherence to GDPR and HIPAA standards.
- **Collaboration with Cross-Functional Teams:** Worked closely with IT operations, cybersecurity teams, and business units to develop and maintain robust IAM frameworks, enhancing security posture and user experience.

## Projects By P.A.R.A.D.E

The Parade consulting technique follows a problem, action, role, action, decision rationale, and technology approach. This method helps organisations identify and address challenges by systematically analysing the problem, defining appropriate actions, assigning roles to team members, taking necessary actions, providing sound decision rationale, and leveraging relevant technology to support the process.

<b>Client</b>	<b>IBM</b> NordCloud ( March 2024 - )
<b>Problem</b>	Cadence in Critical National Infrastructure
<b>Anticipated C.</b>	Late transformation High Cost to tax payers
<b>Role</b>	SRE
<b>Action</b>	OpenShift Automation Implementation based on Copilot AI
<b>Decision Rationale</b>	Rapid change and complexity of the toolsets and secure environment needs
<b>Technology</b>	The infrastructure leverages a robust tech stack, with <b>OpenShift</b> at its core, utilising <b>Kubernetes</b> for container orchestration, <b>RHEL</b> as the operating system, <b>VMware</b> for virtualisation, <b>Artifactory</b> for artefact management, and <b>Bitbucket</b> for version control. Monitoring is handled by <b>Grafana</b> , while <b>Azure</b> provides cloud services. The CI/CD pipeline incorporates <b>Merging</b> for automation, <b>Telecom</b> for network integration, and <b>Argo-CD</b> for <b>GitOps</b> -based continuous delivery on OpenShift. Additional tools include <b>JIRA</b> for project management, <b>Netscaler</b> for on-premises solutions, <b>Helm Operators</b> , <b>Prometheus</b> with remote write to <b>Thanos</b> , <b>Jaeger</b> for tracing, <b>Loki</b> for log aggregation, and <b>Kiali</b> for service mesh observability. Support for virtualisation, file transfer, and cloud services is provided by <b>Citrix</b> , <b>WinSCP</b> , Amazon <b>AWS</b> , and <b>Red Hat</b> . This comprehensive setup ensures a scalable, efficient, and well-integrated project environment.

<b>Client</b>	<b>Goldman Sachs</b> Oman Muscat Onsite Contract ACLDigital—Alten—Cprime—Omantel ( August 2023 - March 2024 )
<b>Problem</b>	Manual Deployments and Integration
<b>Anticipated C.</b>	Long release times with faults
<b>Role</b>	DevOps Release Train Engineer
<b>Action</b>	Assessment, Framework Creation, Implementation
<b>Decision Rationale</b>	Based on DevSecOps Maturity Matrix Technology
<b>Technology</b>	Harnessing OpenShift (Kubernetes), on-premises gateways, Azure Sentinel, and AI-driven workflows, we've significantly evolved our development process with CI/CD workflows across Google Cloud Platform (GCP), Azure, and AWS. My expertise in cloud computing, especially with GCP, led to the integration of Cloud Build, streamlining our deployments. This move has enhanced efficiency and innovation, accelerating the delivery of robust software solutions. Additionally, I have utilised Logic Apps to serve the population of Oman, which exceeds 4 million users. This initiative included obtaining Azure subscriptions and leveraging virtual desktop infrastructure (VDI) on Azure Virtual Desktop.

<b>Client</b>	<b>Ypsomed</b> Switzerland · Hybrid · Contract ( April 2022 - April 2023 )
<b>Problem</b>	Git Migration, TFS Migration
<b>Anticipated C.</b>	Old legacy systems turn off

<b>Role</b>	DevOps Consultant
<b>Action</b>	Plan migration and execute with the team
<b>Decision Rationale</b>	Implement with documentation needed for the health care regulations
<b>Technology</b>	Git, TFS, VSS, Azure DevOps, VMWare,Citrix

<b>Client</b>	<b>Cushman &amp; Wakefield</b> · Remote · Contract ( May 2022 - Jan 2023 )
<b>Problem</b>	Infrastructure as code implementation
<b>Anticipated C.</b>	No infra for the data environment
<b>Role</b>	DevOps Engineer
<b>Action</b>	Create arm templates to deploy the infra to Azure
<b>Decision Rationale</b>	Practical DSL-based deployments
<b>Technology</b>	Git, Azure, Azure DevOps, Bicep, ARM templated

<b>Client</b>	<b>Emerson</b> · Remote ( Feb 2022 - May 2022 )
<b>Problem</b>	Kubernetes implementation
<b>Anticipated C.</b>	Teams getting stuck at docker-compose
<b>Role</b>	DevOps Engineer
<b>Action</b>	Create videos implementing mini kube for different stakeholders/ Show how to debug over the Kubernetes on-premise
<b>Decision Rationale</b>	On-premise debug
<b>Technology</b>	Git, Kubernetes, Azure, Azure DevOps, Visual Studio code

<b>Client</b>	<b>Canada Life - GWLE</b> · Remote ( May 2021 - July 2021 )
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<b>Problem</b>	Microservices Coordination
<b>Anticipated C.</b>	Delayed system-level integration
<b>Role</b>	DevSecOps Engineer
<b>Action</b>	Implement API management and create facade automation
<b>Decision Rationale</b>	Azure API Management automation with shift left approach
<b>Technology</b>	Git, Azure, Azure DevOps, Active Directory, Api Management Automation, Logic Apps, Serverless, Octopus, ARM templated

<b>Client</b>	<b>Theta Trading</b> · Remote ( April 2021 - May 2021 )
<b>Problem</b>	Continuous delivery
<b>Anticipated C.</b>	Systems not performing well
<b>Role</b>	Azure DevSecOps Engineer
<b>Action</b>	Implement ARM and Yaml Pipelines using Azure Logic Apps
<b>Decision Rationale</b>	Pipeline as Code, Infrastructure as Code
<b>Technology</b>	Git, Azure, Azure DevOps, Active Directory, API Management Automation, Logic Apps, Serverless, VDI, Containers, Azure Container instances, Sentinel, Windows Virtual Desktops, Github Codespaces

<b>Client</b>	<b>Sword</b> · Remote ( December 2020 - April 2021)
<b>Problem</b>	Devops automation
<b>Anticipated C.</b>	Environment consistency
<b>Role</b>	Azure DevSecOps Engineer
<b>Action</b>	Implement ARM and Yaml Pipelines
<b>Decision Rationale</b>	Pipeline as Code



<b>Technology</b>	Git, Azure, Octopus, Active Directory, Rational Unified Process, Logic Apps, Serverless, VDI
<b>Client</b>	<b>Pexabo</b> LLC · Remote ( USA ) Pexabo ( UK Sub Contracted Company ) ( April 2020 - December 2021 )
<b>Problem</b>	Process RTMP Endpoints for video production
<b>Anticipated C.</b>	Video footages not processed
<b>Role</b>	DevOps Integration
<b>Action</b>	Use GCP Api todo transcoding with GCP Transcoder API, Save footages to Google Shared drives, Integrate them them Synology 918+ and sync the footages to Network attached storage on premise to backup destination AWS Glacier, Budgeting for ingress and egress for the cloud providers
<b>Decision Rationale</b>	Complete Content Delivery Life Cycle
<b>Technology</b>	OBS, RTMP, GCP, Transcoders, GPU Processing,AWS
<b>Client</b>	<b>Ardent Blue Technologies</b> · Remote ( USA / South America AAA) Pexabo ( UK Contracting Company ) ( April 2020 - December 2020 )
<b>Problem</b>	Perforce and Unreal automation for AAA game
<b>Anticipated C.</b>	Unreal builds taking too long
<b>Role</b>	DevOps Consultant
<b>Action</b>	Evaluate and automate DevOps processes coordinating teams in South America and New

Jersey

**Decision  
Rationale**

Complete SDLC life cycle

**Technology**

Discord, Perforce, Jenkins, Windows

**Client**

**Netas / ZTE / Qatar / World Cup** · Remote

Pexabo ( UK Contracting Company )

( April 2020 - Aug 2020 )

**Problem**

Devops for High Scale architecture

**Anticipated C.**

Issues at the production

**Role**

DevOps Consultant

**Action**

Estimate and architect Azure DevOps

**Decision Rationale**

Build systems with high availability in mind

**Technology**

GitFlow, Azure, Jenkins, Application Service Environment, Rational Unified Process, Logic Apps, Microservices, NoSQL, Data Factory, Cognitive Search

**Client**

**Ardent Blue Technologies LLC - TransfrVR - Brussels / NewYork** · Remote

Pexabo ( UK Contracting Company )

( November 2019 - April 2020)

**Problem**

Release automation for Oculus VR

**Anticipated C.**

Consequence: Longer release cycle and low quality product

**Role**

DevOps Lead

**Action**

Estimate and automate the DevOps processes coordinating teams in Brussels and New York

<b>Decision Rationale</b>	Leverage orchestrators with Unity Cloud Build to create dynamic packages
<b>Technology</b>	Unity, Git, AWS, Teamcity, Jenkins, Linux, Choco, LFS, Unity Cloud Build, Amazon Step functions, GitHub, VR, Python, Confluence

<b>Client</b>	<b>Concentra Analytics</b> · OnSite Pexabo ( UK Contracting Company ) ( Apr 2019 - November 2019 )
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<b>Problem</b>	Pipeline orchestration
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<b>Anticipated C.</b>	Unmaintainable infrastructure
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<b>Role</b>	Senior DevSecOps Engineer
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<b>Action</b>	Work with Orchestrators
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<b>Decision Rationale</b>	Isolation of components
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<b>Technology</b>	CloudFormation, S3, EC2, AWS Lambda, API Gateway, RDS (PostgreSQL), RedShift, KMS. App Services, Azure Functions, Azure SQL Database, Azure Storage, Azure AD, Azure Data Factory, Key Vault. Continuous integration technologies such as Jenkins, and TeamCity. Configuration Management tools such as Puppet or Chef. Programming languages (Python, Ruby, PowerShell, C#), Docker, ECS/EKS/Kubernetes and container CI/CD pipelines. Azure VSTS, Chef Ruby cookbooks, Puppet modules. of Networking, Routing, IPSec Tunnelling, Security Ports, Firewalls, Egress/Ingress, IAM, Ciphers, and Encryption. Administering Linux or Windows systems at the command-line level, of Agile techniques such as SCRUM. Packer generation. Built and operated on cloud platforms (AWS and Microsoft Azure)
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<b>Client</b>	<b>Smart Space Software Plc</b> · Remote Pexabo ( UK Contracting Company ) ( Dec 2018 - Apr 2019 )
<b>Problem</b>	Service Fabric Migration, scripting Continuous integration for on-premise deployments
<b>Anticipated C.</b>	Unable to implement multi tenant architecture
<b>Role</b>	Senior DevOps Engineer
<b>Action</b>	Implement CI via scripting with PowerShell
<b>Decision Rationale</b>	Cloud agnostic, multi vendor architecture
<b>Technology</b>	AD, Windows, PowerShell, Python, Service Fabric, Office 365, Microsoft Server, Amazon Web Services, Scripting & Automation, IaaS, PaaS and Serverless Environments, Managing cloud solutions (Microsoft Azure and AWS), TeamCity, Octopus Deploy, VPN, Installers, Active Directory, Kerberos, .Net, Choco, Proget, ELK, RabbitMQ, Multi Tenancy Architecture, Confluence

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<b>Client</b>	<b>Red Box Recorders</b> · OnSite Pexabo ( UK Contracting Company ) ( Oct 2018 - Dec 2018 )
<b>Problem</b>	Kubernetes Migration
<b>Anticipated C.</b>	Poor container visibility and troubleshooting
<b>Role</b>	Senior DevOps Engineer
<b>Action</b>	Create Kubernetes Environment on-premise and in the cloud and migrate workloads
<b>Decision Rationale</b>	Support for multi environments

<b>End Result</b>	Full orchestrated CQRS architecture with containers
<b>Technology</b>	Vagrant, Docker Compose, On-Premise, Vmware, Centos, Kubernetes, Load Balancers, Feature Toggles, Release Flow, Bash Scripting, Terraform, Arm Templates, CQRS Microservices, Git, API Gateway, Reverse Proxy, Multi-Cloud, ELK (Elasticsearch, LogStash, Kibana ), EventStore, Minio, Redis, LXD, Nginx, MetalLB, Traefik, Yaml, Ingress Orchestration, Helm, Network Architecture, Microservices Logging, ELK, Confluence

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<b>Client</b>	<b>MMT Digital</b> · OnSite Pexabo ( UK Contracting Company ) ( June 2018 - October 2018)
<b>Problem</b>	Continuous Delivery
<b>Anticipated C.</b>	Container / Docker Migration
<b>Role</b>	Senior DevOps Engineer
<b>Action</b>	Create necessary hosting environments
<b>Decision Rationale</b>	Agency deadlines and constraints
<b>End Result</b>	Full containerized microservices architecture
<b>Technology</b>	Configuration Management, Docker, Security Patterns, Automation, Azure, Linux, .Net Core, ASE, VSTS, Octopus, Bash, CI, Slack integration, Containers, Container Registry, Infrastructure As Code, SSL, SSH, Terraform, Microservices, Kentico, Bash Scripting, Aws, Networking, Kubernetes, ESB, Docker, Digital Ocean, Trello, Python, Confluence

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<b>Client</b>	<b>Craneware</b> · OnSite Pexabo ( UK Contracting Company ) ( March 2018 - June 2018 )
<b>Problem</b>	Continuous Delivery
<b>Anticipated C.</b>	Delivery pipeline setup
<b>Role</b>	DevOps Architect
<b>Action</b>	Create Continuous Delivery pipelines
<b>Decision Rationale</b>	Assessment and implementation
<b>End Result</b>	Establish continuous delivery to multiple environments
<b>Technology</b>	VSTS, Azure, ChatOps, Site24x7, Cloud Shell, Automation, Releases, Builds, Kanban, Application Insights, Git Flow, Real Time monitoring, Logic Apps, Enterprise Integration, Log Analytics, Kafka, Confluence

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<b>Client</b>	<b>Scottish Enterprise</b> · OnSite Pexabo ( UK Contracting Company ) ( Aug 2017 - March 2018 )
<b>Problem</b>	Continuous Delivery
<b>Anticipated C.</b>	Delivery pipeline setup
<b>Role</b>	DevOps Architect Site Reliability Engineer
<b>Action</b>	Create Continuous Delivery pipelines
<b>Decision Rationale</b>	Assessment and implementation

<b>End Result</b>	Establish continuous delivery to multiple environments
<b>Technology</b>	Docker, VSTS, Azure, Service Bus, Active Directory, CloudShell, Automation, Releases, Builds, Kanban, Application Insights, Git Flow, Real Time monitoring, Helm, Kubernetes, Docker Compose, ELK

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<b>Client</b>	<b>Ticket Arena - Boomerang Funding</b> · OnSite Pexabo ( UK Contracting Company ) ( May 2017 - July 2017 )
<b>Problem</b>	Hectic delivery process
<b>Anticipated C.</b>	Long deployment times
<b>Role</b>	DevOps Architect
<b>Action</b>	Create Continuous Delivery pipelines
<b>Decision Rationale</b>	Understand the holistic approach,assessment and implementation
<b>End Result</b>	Daily deployments to multiple environments
<b>Technology</b>	VSTS, Azure, Service ,C#, Fabric, Octopus, PowerShell, Azure ARM, Scrum, Application Insights, GitFlow

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<b>Client</b>	<b>Holovis - PlayNation</b> · OnSite Pexabo ( UK Contracting Company ) ( April 2017- May 2017 )
<b>Problem</b>	Scoring system for an augmented reality game
<b>Anticipated C.</b>	Long deployment times
<b>Role</b>	Implementation & Architecture

<b>Action</b>	Creating the backend of an augmented reality game
<b>Decision Rationale</b>	Build a cost effective and scalable system
<b>End Result</b>	Maintainable code base by the permanent employees
<b>Technology</b>	Jira, Azure, Asp.Net MVC, C#, Web Api, SQL RDS, Web Apps, Google Maps, Unity 3D, Kanban, RDBMS design, Unit Testing, Git, Unity Collaboration, AR, UCB

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<b>Client</b>	<b>Microsoft</b> · Hybrid Feb 2016 - Feb 2017
<b>Problem</b>	Migration resistance to cloud computing
<b>Anticipated C.</b>	High cost , increasing risk
<b>Role</b>	Cloud solution architect
<b>Action</b>	Architectural design meetings, proof of concepts, implementation of specific products
<b>Decision Rationale</b>	Critical thinking with stakeholders understand the holistic approach of the enterprise. Implement proof of concept applications for transformational projects
<b>End Result</b>	Consumption of cloud resources.
<b>Technology</b>	IAAS, PAAS, SAS, VSTS, Azure, Service Fabric, PowerShell, ARM, Application Insights, Web Apps, HPC, Scheduler, Virtual Networks, Express Route, CDN, Akamai, Terraform, Crossplane, Event Hubs, API Management, Storage, Backup, Site Recovery, Marketplace, Automation, Service Bus, Open Source, BizTalk, Messaging Queue

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<b>Client</b>	<b>Accenture</b> · Hybrid 01.2015 - 01.2016
<b>Problem</b>	Increasing cost, delayed projects and satisfied customers
<b>Anticipated C.</b>	Post-production errors
<b>Role</b>	Manager
<b>Action</b>	Software development life cycle management, Continuous delivery
<b>Decision Rationale</b>	First principles, root cause analysis
<b>End Result</b>	Continuous improvement and daily releases with test automation
<b>Technology</b>	Java, SonarQube, Azure, Jira, Bamboo, Waterfall, V Model, Software Estimation, Jenkins, Git, Maven

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<b>Client</b>	<b>Net Holding / BtcTrader</b> · OnSite <b>( Financial Exchange Services )</b> 03.2014 – 01.2015
<b>Problem</b>	Project not adaptable for change
<b>Anticipated C.</b>	Increasing cost and technical debt
<b>Role</b>	Software Architect / Consultant - DevOps Site Reliability Engineer
<b>Action</b>	Analysis of technical debt, Applied Kanban, implemented continuous integration, Advanced systems for continuous deployment, Nuget Service, Microservices architecture, Code Contracts, Migration to multiple cloud providers, Unit/Acceptance testing
<b>Decision Rationale</b>	Loosely Coupled , Security oriented

<b>End Result</b>	Daily deployments, White label expansion started and application lifecycle management improved
<b>Technology</b>	Jira, Azure, Rackspace, C#, AppVeyor, PowerShell, Kanban, Loggy, Mercurial, Bitbucket, Lastpass

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<b>Client</b>	<b>Iddaa-Broadage</b> · OnSite  Bilyoner, Nesine, Cnn Turk, Ntv Spor, Al Jazeera, Hurriyet, Ages  08.2013 – 03.2014
<b>Problem</b>	Not integrated environment, short retention rate at development teams
<b>Anticipated C.</b>	Too many errors from existing products
<b>Role</b>	Software Architect  Site Reliability Engineer
<b>Action</b>	Implemented continuous integration, Kanban project management, Aspect oriented programming, Service oriented architecture
<b>Decision Rationale</b>	Loosely Coupled, Performance oriented
<b>End Result</b>	Developer retention
<b>Technology</b>	AWS,C#, NCache, Asp.Net,Angular, Knockout, Site24x7

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<b>Client</b>	<b>Tubitak / Metin Madencisi</b> · OnSite  08.2012 – 08.2013
<b>Problem</b>	Building a platform to compete with Google Adwords
<b>Anticipated</b>	Limited budget project needed innovation at the

<b>Consequence</b>	core of the platform
<b>Role</b>	Tech Lead / Software Architect Site Reliability Engineer
<b>Action</b>	Build systems on Amazon platform as an early adopter, build dynamic scaling systems
<b>Decision Rationale</b>	Performance oriented, Budget oriented, Greenfield
<b>End Result</b>	Systems that scaled up to billions of views and supporting thousands of publishers and advertisers
<b>Technology</b>	CDN, VSTS, AWS, C#, Configuration Management, PowerShell, Scrum

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<b>Client</b>	<b>PlusCanvas.com / Parabol Advertisement Agency</b> <b>(ILKON Contractor)</b> · Hybrid 10.2011 – 10.2012
<b>Problem</b>	Existing ecommerce platform was not sufficient
<b>Anticipated Consequence</b>	Old platform was blocking the growth of the company
<b>Role</b>	Consultant / Contractor
<b>Action</b>	Implemented NopCommerce, created the necessary team to customise the product Monolithic architecture refactoring
<b>Decision Rationale</b>	Timeboxes, limited budget, using open source platforms, Greenfield
<b>End Result</b>	Implemented on time and created an extendable platform

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<b>Client</b>	<b>Turkcell / Telecom</b> · OnSite <b>(ILKON Contractor)</b>
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09.2010 – 08.2012

<b>Problem</b>	Performance problems related to the billing systems
<b>Anticipated Consequence</b>	Systems unable to create invoices to the customers and cost the company million dollars every quarter.
<b>Role</b>	Data architect / Contractor
<b>Action</b>	Migration of Sql server and Oracle systems, Build integration systems
<b>Decision Rationale</b>	Performance and integration oriented
<b>End Result</b>	Migration completed and important savings from business process automation.
<b>Technology</b>	SQL Server, Oracle

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<b>Client</b>	<b>British American Tobacco / Prominds · Hybrid (ILKON Contractor)</b> 11.2007 – 09.2010
<b>Problem</b>	Sharing and tracking mobile agents was a big challenge
<b>Anticipated Consequence</b>	Disconnected teams and poor performance
<b>Role</b>	Consultant / Contractor
<b>Action</b>	Lean software development,MVP
<b>Decision Rationale</b>	Rapid application development,Greenfield
<b>End Result</b>	Actively used application more than 2.000 subscribers
<b>Technology</b>	Asp.Net , MVC, Amazon

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<b>Client</b>	<b>Tubitak / TopAir Civil Aviation (ILKON Contractor) · Hybrid</b> 11.2007 – 12.2009
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<b>Problem</b>	Sams
<b>Anticipated Consequence</b>	MRP for private aeroplane support
<b>Role</b>	Consultant / Tech Lead / Contractor
<b>Action</b>	Uml design, Pattern oriented software architecture, Test-driven design
<b>Decision Rationale</b>	Government regulations, CMMI specifications for defence contracts
<b>Technology</b>	Azure, VSTS, c sharp

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<b>Client</b>	<b>Kariyer.net / Glosis</b> <b>(ILKON CTO)</b> · Remote 11.2004 – 12.2006
<b>Problem</b>	Turkey's leading career site needed better categorization of candidates
<b>Anticipated Consequence</b>	Online character assessment test
<b>Role</b>	Consultant / Tech Lead / Contractor
<b>Action</b>	From business analysis to implementation
<b>Decision Rationale</b>	Customised design for Turkish culture, Service-oriented architecture, Greenfield
<b>End Result</b>	Cost effective scalable system
<b>Technology</b>	AWS, CSharp, .Net Framework

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<b>Client</b>	<b>Bilge Adam / Software Development Schools</b> <b>(ILKON Contractor)</b> · OnSite 09.2004 – 08.2005
<b>Problem</b>	Java technologies were not adopted by corporates
<b>Role</b>	Consultant / Contractor

**Technology**

C Sharp Java

Visual Studio, Eclipse, Netbeans

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**Client**

**Kahins Research ( Urbana Champaign Illinois )**  
**(ILKON Contractor)** · OnSite

11.2002 – 09.2004

**Problem**

Products and services are changing.

**Anticipated  
Consequence**

Domain modelling high-cost

**Role**

Developer / Scrum Master / Contractor

**Action**

Creating a research team, that needs an adaptive  
Object Oriented Design model to map entities at  
runtime. Design concept by University of Illinois

**Decision  
Rationale**

Prototype building for proof of concept, Greenfield

**End Result**

Metadata explorer

**Technology**

Visual Studio, Asp.Net, .Net Framework

## **Certificates**

- MCPS: Microsoft Certified Professional
- MS: Developing Microsoft Azure Solutions
- Visual Storytelling: Creating More Persuasive Presentations
- Video Editing with Adobe Premiere Pro
- Becoming an Unreal Automation Expert
- Perforce (Helix Core): A Full Step By Step Guide - Hands On!
- Financial Markets Trading Stocks
- Orchestrating Workflows With AWS Lambda and Step Functions
- Programming Using Python
- Microsoft Azure Service Fabric
- Kubernetes with CI/CD Solutions
- AWS Cloudformation ( infrastructure as code )
- Gamification for Interactive Learning
- Microsoft Azure: Virtual Network Implementation
- Deploying Docker to AWS
- Kubernetes: Microservices
- Learning Docker
- Learning Linux Command Line
- Learning Terraform
- Make a Tetris-style Puzzler in Unity
- Mastering Ansible
- PowerShell: A Getting Started Guide for IT Admins
- Microsoft Azure Logic Apps First Look
- Artificial Intelligence Foundations: Thinking Machines
- Kafka Essential Training
- Time Management Fundamentals
- DevOps Foundations: DevSecOps
- Learning IP Addressing
- Learning Node.js
- Db4o Object Oriented Database MVP

<https://www.linkedin.com/in/rifaterdemsahin/details/certifications>

## Skill Summary

TYPE	SKILLS	YRS	USE CASE	CV AS CODE
<b>Languages</b>	html	+10	Generate Html tools using GPT 4.o. Publishing multi stage prompt helper in Github	<a href="https://github.com/rifaterdemsahin/gpt-outputs">https://github.com/rifaterdemsahin/gpt-outputs</a>
	c#	+8	Built 10+ projects end to end.	
	java	+2	I taught Java courses to college undergraduates for over a year. As well as doing code quality control for top banks in Europe.	
	javascript	+6	Built 6+ web projects including trading engines and sports sites with many interactions.	
	UML	+3	Did 2+ research projects. Taught UML and an active learner.	
	Bash	+3	I have used Bash scripting language in Linux environments for container orchestration.	
	Python	+3	Used Python for devops automation scripting and debugging and serverless functions.	
	Networking	+5	Diagnose the TCP communication in Openshift cluster nodes	<a href="https://github.com/rifaterdemsahin/tcpdump">https://github.com/rifaterdemsahin/tcpdump</a>
<b>Databases</b>	Mongodb	+2	Built 2+ projects with Mongodb. Used on-site and the cloud versions with ObjectRocket.	
	Sql Server	+8	Built 6+ projects. Did +4 ETL transformations. Did Oracle to SQL server migrations. Did 32-bit to 64-bit migrations for telecom companies.	
	Hadoop	+3	Built 2+ projects. Used Hadoop in ad server. PoC in UniCredit.	
	Dynamo	+3	Built 2+ projects. Used	



	db		Dynamodb in a project with dynamic scaling attributes.	
	Amazon RDS	+4	Built 4+ projects.	
	Redis	+3	Built 3+ projects. Ad server with online analytics	
	MySQL	+2	Built 1+ projects.	
	db40	+2	Built 2+ projects. I became an MVP of the object-oriented database.	
	ElasticSearch	+1	Built 1+ project. The distributed databases and the search database concept.	
<b>Tools</b>	Visual studio	+8	Build 10+ projects. Active learner. Consumer of channel 9.	
	VSTS	+5	Delivered 5+ projects using Visual Studio Online Used Scrum and Kanban, and created burndown charts.	
	Unity 3D	+2	Built 5+ projects. Focused on Artificial intelligence systems.	
	Confluence	+3	Documented 5+ projects using confluence and created visually appealing handovers.	
	Oculus	+1	Defence systems training program backend orchestration with distribution.	
	Apple	+1	MacOs, Itunes App Store deployments.	
	Chef, Puppet	+1	Build PoCs for the Microsoft Azure platform.	
	SSH, Bash	+2	Daily usage to manage servers in the cloud.	
	Ansible	+1	Used Ansible to implement infrastructure as code.	
	Terraform	+3	Build IAC for the projects to	

	m		implement immutable infrastructure.	
	Octopus	+1	Migration from VSTS to Octopus for Service Fabric Deployments.	
	Service Fabric	+1	Deployment of microservices and setting up with ARM.	
	Powershell	+5	Implemented Powershell scripting language in Windows environments to set up ServiceFabric based on microservices. Automation scripts to create the deployment pipeline.	
	CLI	+5	I have used Command-Line Interfaces in MacOS Windows and Linux.	
	ARM Templates	+2	Build Arm Templates for web apps in Azure for 2+ years.	
	Linux / Unix	+4	Automation tasks for the CI/CD pipelines: 5+ projects, testing systems, containers, Cloud and on-premise, Digital Ocean, Ubuntu. Daily user of Android, Fedora and macOS.	
	MacOs	+2	Daily usage of the terminal, Unix-like Mac OS X.	
	Docker	+2	Containers and microservice implementation.	
	Windows Server	+10	Used and set up colocation servers. Prefer to use the cloud. +20 PowerShell scripts for continuous integration.	
	Amazon Web Services	+5	Used multiple services in AWS as an architect. Tools: EC2, CloudFormation, Lambda, Step functions, FarGate, Gateways, Cloud formation, Build Pipeline 5+ projects	

	Azure	+4	Using multiple services in Azure as an architect. Built 3+ projects. Used PaaS features such as Azure websites and built +10 microservices and integrated with other Azure services.	
	Open Source	+3	Used various open source technologies. Such as Linux, Ubuntu, Jenkins, and Nosql systems like Redis	<a href="https://github.com/rifaterdemsahin">https://github.com/rifaterdemsahin</a>
	Azure Resource Templates	+1	Created Infrastructure as code. Implemented continuous deployment pipelines.	
	Trello	+1	Scrum and Kanban-based task management.	
	Amazon Workspaces	+3	Personal user of Amazon Virtual Workspace offering. Mobile and cloud-based.	
	Entity Framework	+6	Love ORM concept. Used EF in 6+ projects.	
	JQuery	+5	Built 5+ projects. Did front-end development and actively kept up to date with frameworks such as AngularJS.	<a href="https://github.com/rifaterdemsahin/promptengineering">https://github.com/rifaterdemsahin/promptengineering</a>
	.Net	+8	Built 10+ projects. Concentrated on IoC frameworks such as Unity. Have more experience in back-end development.	
	Netbeans	+1	Taught lessons to undergraduate students for Java.	
	Asp.Net	+8	Built 8+ projects. Used Webforms and MVC.	
	Eclipse	+2	Built 1+ projects. In charge of 20+ Java projects for code quality.	

	Mozy	+3	Built 2+ projects. Backed up relational databases for disaster recovery.	
	Cloudflare	+2	Built 1+ projects. Using Cloudflare for dynamic scaling and devops.	
	TeamCity	+2	Built 10+ projects.	
	Appveyor	+2	Built 20+ projects. Learning from its co-founder. Passionate about the subject of continuous delivery.	
	Bamboo	+1	Built 5+ projects. In charge of code quality and integration parts with the Sonar.	
	Clickatell	+3	Built 2+ projects. Used their API in two-factor authentication and for marketing purposes.	
	Logic Apps	+1	Built enterprise integration workflows.	
	New Relic	+2	Built 2+ projects. Great tool for monitoring website application performance	
	TFS	+5	Built 5+ projects. Did the setup and configuration.	
	Git	+3	Built 3+ projects. Did conversions from CVS and TFS to git. Used bitbucket and stash(GitFlow)	
	Nuget	+3	Built 3+ projects. Used cloud nugget servers for internal libraries.	
	Cdn	+3	Built 2+ projects. Used in ad server platforms with millions of daily users.	
	Mercurial	+2	Built 1+ projects. Migrated the libraries from in-house to the cloud at bitbucket.	

	Yourkit.net	+4	Used in 8+ projects. Performance and memory optimization is a passions.	
	Service bus	+2	Used in 2+ projects Used Azure service bus in a trading platform for notifications. ESB implementation	
	Bitcoin	+1	Used 1+ projects. Distributed peer 2 peer system. Used its Apis to do transactions and setup the SAS environments	
	Selenium	+3	Used in 3+ projects. Believe in continuous delivery and test automation. Creating acceptance tests using c# drivers and integrating them into continuous delivery systems. Used BrowserStack for a remote driver.	<a href="https://github.com/rifaterdemsahin/SeleniumThinkific">https://github.com/rifaterdemsahin/SeleniumThinkific</a>
	NCache	+1	Used in 1+ project. Distributed caching system for .net. Used it in a sports gambling system where scores were changing constantly.	
	NetScaler	+2	Used in 2+ projects. Load balancing for colocation sites. Prefer to use the cloud load balancers such as Amazon and Cloudflare.	
	Nopcommerce	+1	Used in 1+ project. Great open-source framework. Rebuild the pluscanvas.com.	
	Google	+5	Implemented various products from Google such as Maps, drive, enterprise email, and cloud platform GCP.	
	Zoho	+3	Implemented various products from Zoho such as site 24x7 for actively monitoring the resources.	
	Fargate	+1	Run containers without having	

			to manage servers or clusters.	
Methodology	Extreme programming	+5	Active learner about methodologies, XP is a great way for this. Used the methods in 5+ projects	
	GitOps	+2	Sync repos for OpenshiftCluster. Create the environment and maintain it for the Critical National Infrastructure	<a href="https://github.com/rifaterdemsahin/openshift-argocd">https://github.com/rifaterdemsahin/openshift-argocd</a>
	CI/CD	+5	I believe in the power of test-driven development. Binding the tests of CI systems is one of the responsibilities.	<a href="https://github.com/rifaterdemsahin/promptengineering">https://github.com/rifaterdemsahin/promptengineering</a>
	Security	+5	Firewall management of networks, Db access control list management, Intercloud Connectivity VPN setups, endpoint security with CORS	<a href="https://github.com/rifaterdemsahin/SecurityinOpenShift">https://github.com/rifaterdemsahin/SecurityinOpenShift</a>
	Agile	+6	An extreme programming approach is the key to progress.	
	Continuous integration	+4	Created build servers and implemented Git flow. Daily integrations.	
	Scrum / Kanban	+5	Did 2+ projects. Worked as a Scrum master. Converted to Kanban after Scrum's shortcomings. Worked with active teams and communicated to keep up with the work-in-progress limits.	
	Infrastructure As Code	+4	process of managing and provisioning in the cloud using declarative and imperative styles. Tools such as Ansible and Azure Resource Manager.	
	Rational	+3	Doing the documentation in the	

	Unified Process		projects. Care about lean and useful documentation.	
	Cap	+6	Worked with many database systems. Implemented many systems including SQL and NoSQL systems.	
	Solid	+3	Strong believer in object-orientated design. Implemented 4+ projects.	
	DevOps	+5	Continuous delivery is my aim. Implemented Teamcity and Appveyor in 3+ projects.	
	Test-Driven Development	+4	Believe in the power of test-driven development. Binding the tests of CI systems is one of the responsibilities.	
	Microservices	+4	Build 20+ microservices for 4+ projects. Believe in the divide and conquer concept. Familiar with Patterns of Enterprise application architecture.	
	Design patterns	+4	2+ research projects. Did a project by Joe Yoder implementing multiple design patterns.	
	Cloud Patterns	+5	Build platforms using PAAS, IAAS and SAAS	
	Code Quality	+2	Using tools such as Sonar. Code contracts and Solid design principles. Implemented documentation for quality standards in SDLC.	
<b>Marketing Automation</b>	SEO	+4	4+ projects. Google Analytics and Google Trends	
	SEM	+4	Managed \$80,000+ in Google AdWords.	
	Buffer	+1	Social media marketing.	
	WordPre	+2	4000+ post done in personal	<a href="https://rifaterdemsahin.com/">https://rifaterdemsahin.com/</a>

	ss		branding blog	
	UI Path	+2	Build robotic process automation systems.	

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**Contact**

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