

Serdar Ozay

Senior DevOps Engineer

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Muswell Hill / London / UK

Summary

Software engineer professional, was involved in any scale and complex software projects. Highly experienced each role of software engineer career path from developer to architect more than eighteen years key experience. Good problem solver for customer unique needs with using right software technologies. Highly experienced DevOps engineer skill, especially on AWS cloud infrastructure. Multi language software development experience. Ability to develop self-learning solutions using machine learning.

I am looking for a Devops contract role working with the latest technologies.

Skills

Technical

AWS
Nodejs
Python
Java Core
.NET 1.0 - 4.5 C#
Machine Learning
CI/CD
TDD

Tools && Db

Terraform
Docker
Jenkins
Ansible
Openshift
Git
Elasticsearch
Cassandra
Mysql
RabbitMq
TFS 2005-2015
Chef
IBM API Connect
Jira
Confluence
IIS, Apache

AWS

ECS
ECR
EC2
VPC
Scaling
S3
EBS
Aurora
ElasticCache
DynamoDb
Route53
CloudFrount
ELB
CloudWatch
CloudFormation
Messaging (SES,SQS)
Elasticsearch

Education

Electronic and Communication Engineering (B. Sc.)

1996 -2003 Istanbul Technical University – Turkey

Computer Engineering (M. Sc.)

2012-2013 Bahcesehir University – Turkey

Ranked 1054th (among 1.5 million students) in central University Entrance Exam of Turkey 1996

Career

Devops Engineer

Vakt.io / London

<https://www.vakt.io/>

VAKT is a blockchain startup that processes post-trade transaction for the oil market, initially Brent crude. It's owned by a combination of banks, oil majors and oil traders including Shell, BP, Chevron, Total, Reliance Industries, Equinor, Gunvor, Mercuria and Koch Industries.

Key responsibilities:

- Build company Jenkins CD pipelines from scratch
- Devops scenario development with using

April 2019 -

- Ansible as configuration manager
- Terraform as provisioner and manager of AWS
- Jenkins groovy scripting for CD process management
- ECS, ECR
- Docker containers
- Make automation tool
- Github
- Python scripting to develop small tools
- Working experience on multi environments and AWS accounts (45 accounts)
- Service discovery solution implementation for Prometheus
- Working in 16 people agile team with 2 weeks sprint
- Java, Nodejs tech stack

Technical Delivery/Devops Manager

January 2018 - March 2019

Santander Bank / Milton Keynes

<https://santander.co.uk/>

Santander bank is one of the biggest global bank in the world with 35 million customer. I am working as a key member of the Agile Product teams participating in a Delivery manager Role.

Key responsibilities:

- Implementation end to end of the product, from development to Production on Openshift/Kubernetes PAAS environment
- CI/CD pipeline creation with using Gitlab, Jenkins, IBM API Connect and maintenance.
- Responsible CI/CD process of 2-3 mortgage teams
- Design consultancy within the Agile Products teams.
- Point of contact and coordination between the Product Team and the rest of the Santech infrastructure teams in an agile relationship.
- Domain, Irule implementation and management
- Key quality and continuous delivery assurance.
- Infrastructure delivery coordination
- Kibana, Elasticsearch consultancy to the product teams

DevOps Consultant

August 2017 - October 2017

Mutuel Play Ltd / Woking, Greater London

<https://www.mutuelplay.com/>

The Mutuel Play is game development company at Woking. I was responsible to build and implement new infrastructure for their new game platform on AWS with using latest automation tools

Projects/Applications worked on:

- Architectural system design on AWS
- Building Dev/Test/Production environment structure on AWS with using **Terraform** (ECS, ECR, **Docker**, Redis, Mysql Aurora, Route 53, Cloudfront
- Installing **ELK** stack for logging with Terraform, Bash and Amazon Elasticsearch service (ELK: Elasticsearch / Logstash / Kibana / nginx)
- Installing CI/CD pipeline with using **Jenkins** (Golang, Nodejs, Docker, Terraform)
- RDS / Docker container and Elasicache monitoring with ELK (Cloudwatch & Metricbeat)
- Cloudwatch, AWS Config and AWS Trails
- Writing Linux **bash** scripts
- All the software stack built on Amazon Linux and Ubuntu EC2 servers

Application Architect

July 2016 - February 2017

Global Kapital Group / Mateli Bank, Istanbul

Turkey <http://gk-group.com/>

The Group is a global financial technology company. My role was to design and build Mateli bank startup's fraud system.

Projects/Applications Worked on:

- Installing and maintenance ELK stack (Elasticsearch / Logstash / Kibana)
- Installing and maintenance Red Hat Jboss BRMS and Corticon / Progress Rule Engines
- PowerShell Scripting for Infrastructure team
- AWS application development support (s3, redis, dynamoDb, Ec2 AMI)
- Development of **chef** recipes for initialization of AWS windows servers and deployment **.net c#** microservices with chef
 - Preparing initial AMI which contains chef-client and chef server configuration
 - On node machine
 - Close User Account Control
 - Change Dns
 - Close Firewall
 - Change Instance Name to AWS instance id
 - Add machine to windows domain
 - Install IIS and Asp.net modules
 - Install Octopus Tentacle to target machine
 - Deploy latest deploy .net Application package via octopus deploy
 - Working multi-environment (develop, test, production)
- Working with Teamcity and Octopus deploy CI/CD pipeline

DevOps Engineer

April 2013 – July 2016

DIGITURK / BEIN MEDIA GROUP, Istanbul, Turkey

<http://www.digiturk.com.tr>

Digiturk is the biggest Turkish satellite television provider which have been founded in 1999. They have 3.5 million active customers. The company offers both national cable and streaming television channels. They have own channels, national radios, and music streams of different genres.

Projects/Applications Worked on

- Transformation of company's core applications for AWS
 - Design of company first AWS architecture
 - Implementation of **Amazon web services** to existing company framework (Aws s3, cloudsearch, sqs, ses, cloudfront, ec2, dynamodb, Mysql etc).
- Management of AWS
 - IAM user, role management
 - Writing Cloudformations scripts
 - Management of EC2 , Autoscale groups, EBS, security groups
 - Management of S3, DynamoDb, Cloudfront
- Maintenance of CMS system 5 Node Elasticsearch cluster on Linux EC2 machines
- Writing **MSBuild** scripts for deploy team
- Implementation Jenkins/TFS CI/CD tools
- Implementation and **maintenance** of central ELK (with using **Chef**) Log service on AWS (**Linux Centos ,Redis, Elasticsearch**)
- Development and maintenance of an anomaly detection project, which reduced the error catch time to 5 minutes with using log data on CRM application. It was running on Linux, Elasticsearch, S3, Cassandra
- Development of custom auto-scale group with using **python** and scikit-learn machine learning library. The solutions reduced the number of the EC2 machines used around %35 –boto, splunk-

Software Architect

August 2011 – April 2013

DIGITURK / BEIN MEDIA GROUP, Istanbul, Turkey

<http://www.digiturk.com.tr>

Responsible of architecture design and software development of company's key products. The main technologies which I used were NET 4.5 C#, ASP.NET MVC, Oracle / Msql, AWS

Projects/Applications Worked on

- Development of company's own software framework with .net c#, asp.net mvc. The framework used by 70 software developers to build CRM and billing solutions in Digiturk
- Building Content delivery system with .Net c# and Elasticsearch. It served more than 100K customers to broadcast TV shows, movies' metadata (title,summary,director,etc).

Team Leader

November 2009 - August 2011

Turktrust, Istanbul, Turkey

<http://www.turktrust.com.tr>

Leader of electronic signature and certification authority (CA) in Turkey

I was the responsible person of the company's software projects and software team in Istanbul branch. We developed one key software application of Istanbul stock exchange market. The application has been responsible gather and publish market data from registered companies.

Key Achievements:

- Renew and new development of KAP (Public Disclosure System -kap.gov.tr-) of IMKB (Istanbul Stock Exchange) software system.
- Design and development of mobile signature VAS product for Vodafone with using **Java** and Spring web framework
- Management of 3 software developers

Software Developer

June 2008 – September 2009

IKON GM, Istanbul Turkey

<http://www.ikongm.com/>

Ikon Global Markets is one of the global leading online forex trading broker

Responsible to develop high availability products for finance market.

Projects/Applications Worked on:

- Development of high performance, concurrent fx rates communication engine, Java core, multithread quickfix protocol, tcp sockets, Msmq
- Development business needs on the application server product with using **Java**, Oracle
- New development on customer desktop application. **.net c#**, winforms

Senior Software Developer

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Senior Software Developer

June 2007 - May 2008

BIS, Istanbul Turkey

<https://www.linkedin.com/companybeta/436480...>

BIS is a provider of industry-specific business solutions for financial, energy, and professional services companies.

Projects/Applications Worked on:

- Development of Yapı Kredi Bank Human Resource software project, ASP.Net C#, Oracle

Software Developer

October 2006 – April 2007

Verifone, Istanbul Turkey

<https://www.linkedin.com/companybeta/436480...>

Global leader in secure electronic POS solutions. It provides solutions, services, and expertise that enable electronic payment transactions and value

Projects/Applications Worked on:

- Developing Pos and Credit card management back office system using web technologies ASP.Net, MsSql, CrystalReport, Web Services

Team Leader

June 2003 – June 2005

UNDTechology Istanbul Turkey

Tech company of International transport association of Turkey (UND)

Projects/Applications Worked on:

- Development and management of old vehicle tracing system on Java
- Design and development of new online vehicle tracing system on .Net c# members ,asp.net, multithread, mapinfo, c#, windows service, mssql
- Management of 7 software engineer

Software Developer

April 2002 – May 2003

Portakal Ofis Istanbul Turkey

<http://www.portakalofis.com>

Software tech company

Projects/Applications Worked on:

- Design and development of a CRM tool for Benchiser Company in Asp
- Design and development of mail desktop client and mail server for company ERP program in c#, desktop
- Design and development of online call center application for web, C#.Net, Asp.Net web services, MSSQL, Multithreading, Socket, Windows services

Software Developer

August 1999 – February 2002

Ozer Software Istanbul Turkey

Educational primary school book publisher

Projects/Applications Worked on:

- Development educational software for primary schools in GLPro && Visual Basic, Ms Access

Certificates

- **Advanced PL/SQL Tuning – 2012** by Kocsystem
 - **Secure Coding 2013** - by KocSystem 2013
 - **Advanced c# techniques, design Patterns and Enterprise software architecture 2012** by KocSystem
 - **Shaping up with Angular.js 2016** by CodeSchoool
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