**Recep DIREK**

**DevOps Engineer**

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**Profile**

DevOps Engineering with 15 years of strong commercial experience across multiple industry sectors, predominantly Banking, Finance, Stock Exchange and Capital Markets

Possesses excellent skills developed on large scale projects, including design, analysis, modelling, development, administration, implementation, upgrading, patching, trouble shooting and quality management, Comprehensive experience as DevOps Engineering, Database and System Administration, using a wide range of technologies, most notably DevOps tools, AWS Cloud, Azure Cloud, Containerization, Automation, Scripting, System Analysis, Designing, Testing, Development & Supporting of Databases in Production, Staging, Development environments, Data Modelling, ER-Diagrams, Conceptual, Logical and Physical Data Modelling, Data Quality, Data Governance, SQL and PL/SQL programming, Python programming, Shell scripting, UNIX, LINUX (Red Hat, Ubuntu, Centos), IBM AIX, HP-UX and related technologies. Extensive experience with all phases of the Software Development Life Cycle including analysis, Resource Planning, code development, testing, implementing and maintenance.

Excellent interpersonal skills with problem solving skills which have been used to break down complex business requirements logically and address them appropriately. Ability to prioritise work effectively, strong time management skills and self-motivation ensure timely individual and team task completion.

**Skills**

AWS, Azure Cloud, NoSQL (MongoDB, Dynamo, Cassandra),EC2, RDS, S3, Route53, VPC, Elastic Beanstalk, Azure Data Factory, Git, Githup, Python, Docker, Kubernetes, Docker Compose, NodeJS API, IAAS, IaC, SQL Server 2008,2012,2014,2016, Oracle 12c / 11g / 10g / 9i, SAP ASE(sybase), PostgreSQL, Oracle 11g / 10g, RAC, HP-UX, IBM AIX, Red Hat, Ubuntu, CentOS and Windows, Shell Scripting, Oracle Data Guard, Oracle RMAN, Oracle ASM, Oracle Partitioning, ETL, Oracle Change Data Capture, Erwin, Talend, Power Designer, Oracle Enterprise Manager Cloud Control, Oracle Exadata, Oracle Data Pump, Oracle Export and Import, Flashback Database, Data Guard Failover Switchover, Performance Tuning, AWR, ADDM, ASH, Log Miner, Streams, Sql Plan Management, Upgrade, Patch, Migration, Backup, Recovery, Restore, Oracle Compression, Cloning, Database Auditing & Security, Datawarehouse administration, Oracle Universal Installer (OUI), Oracle Database Configuration Assistant, Database Upgrade Assistant, Net Configuration Assistant (NETCA), SQL\*Loader, Oracle Developer, Oracle SQL, PL/SQL, Python, Oracle Analyst, Oracle Programmer, Extract, Transform, Load, ETL, IBM DB2, MySQL, MS Power BI, MS SQL Server, Toad, SQL Developer, HP Database Archiving, Database Masking, Database Subsetting, Database Modeling, Normalization and Denormalization, E-R Diagrams, PowerBI, Database Design, Data Classification, Naming Conventions, Sybase Power Designer,Jira, Jenkins, Confluence, Wily, Tortise, Flyway, DevOps, Automation Scripts, AWS, Docker, Data Quality, Data Securtity CD, CI, JSON, BSON, SVN, DBmaintan, Scrum, Kanban, Using Agile methodologies

**Work Experience**

**DevOps Engineer / British American Tobacco, London / Dec 2018- Sept 2019)**

* Solid experience with Linux ( Ubuntu, CentOS, Red Hat) administration
* Ability to work in efficiently within a team and with minimal supervision
* Experience with AWS – including but not limited to EC2, S3, RDS, IAM, Redshift and Route53
* Proficient with Git and Git workflows
* Provisioning and configuring EC2 instances using AWS CLI
* Created AWS VPC for AWS resources and applications
* Used AWS Elastic Beanstalk service for python applications
* Experience with container orchestration systems such as AWS ECS or Kubernetes
* Experience with server side technologies such as Apache, Nginx, Redis
* Used Route53 service for domain registration, DNS routing and health checking
* Good understanding of DevOps key concepts ( IAAS or IAC)
* Shell programming experience with Bash, strong command-line and experience at Python
* Server automation with Ansible or other configuration management tools
* Experience with continuous integrations systems such as Jenkin or Travis CI
* Built and deployed Docker containers for implementing Microservice Architecture
* Orchestrated Docker container cluster using Kubernetes / Docker Swarm
* Database administration experience ( MongoDB, MySQL, PostgreSQL, Oracle, SQL Server)
* Hands-on experience in scripting languages such as Powershell, Python, Bash
* Experience in building and deploying large-scale .NET or Java web application experience with highly available / responsive system
* Database versioning and release management with Azure DevOps (VSTS) and AWS
* Created pipelines for Python, Javascript, SQL database archiving and SQL database automation
* Provided SQL/MySQL/PostgreSQL and NoSQL(MongoDB/CosmosDB/DynamoDB) performance tuning and database development
* Management of NodeJS API Changes and deployment to TEST, UAT and PRODUCTION
* Created database statistics reports with Python using pymongo, pyodbc, pandas, csv, numpy libraries
* AWS and Azure Database and Application server scale out/down and provisioning RU and DTU (CPU)
* Prepared ARM templates for database scaling on Azure Cloud.
* Using Azure DMS, Azure Data Factory, Function Apps, Storage, Blob Storage implemented ETL process
* Used the open source tool jq which parses and filters JSON
* Cloud database monitoring with Azure Monitoring and AWS Cloudwatch
* NoSQL database design for large volume of data
* Database Partitioning/Sharding (horizontal and vertical) and data (table) partitioning
* Supported ETL/SQL/Talend team provided performance improvement on ETL processes
* Performance Volume testing in Pre-prod environment
* Building migration strategy for extracting the historical and transactional data
* Designing database for Large Volume Of Data
* Master data management and preparetion
* Developing NoSQL queries and reports (JSON, XML, BSON ) on MongoDB
* SQL Development (procedure, function, report)
* MongoDB development with Mongochef/Studio3T/Robomongo/Mongo Compass/DocumentDB Data migration tools
* Designing the error handling and validation
* Implemented Backup/Export for MongoDB (mongoexport/mongoimport/mongodump/mongorestore)
* Experience With Data Analysis, Mapping, Data Quality, Data Reconciliation
* Preparing the Migration Strategy for extracting the historical as well as transactional data
* Analyzing the requirements, data volume and proposing the right environments, technology tool set and Cloud services
* Excellent technical skills and experience with Data Analysis, Mapping, Data Quality, Data Reconciliation
* Flexible and adaptable, able to work in ambiguous situations.
* JIRA, Confluence, Git, Github, Scrum, Kanban

**DevOps DBA (Oracle, SQL, MongoDB) / HSBC, London, UK / (July 2017 – November 2018)**

* Using Oracle automation scripts; deployed single instance and RAC databases into AWS Cloud and on premise envionment
* Using Ops Manager automation tool; deployed MongoDB single instance, replica set and sharded cluster into AWS Cloud and on premise.
* Implemented bash and python scripts for automation database builds.
* Implemented and configured database security ( SHA1, SHA2, SSL )
* Implemented SQL Server 2008, 2012, 2014, 2016 cluster installation. Configuration and management
* Hands on experience on SQL Server Always on, Database mirroring, Log shipping and replication.
* Implemented Oracle 11g,12c RAC, Dataguard installation, configuration and management.
* Implemented MongoDB 3, 3.2, 3,4 single instance and replica set installation, configuration and management Red Hat operating system.
* Provided backup and recovery for MongoDB, SQL Server, PostgreSQL and Oracle
* Performed SQL Performance tuning with SQL Profiler, Database Engine tuning advisor
* Supported development and BI team in Database design, Data modelling, SQL development
* MS Power BI development experience creating automated reports and dashboards
* Worked with SSRS team and provided performance tuning on the SSRS
* Good knowledge on using SQL Server Management Studio on Congfiguration Manager
* Implemented MongoDB sharding
* Implemented MongoDB, Oracle, SQL Server, PostgreSQL export, import.
* Designed and modelled NoSQL database
* Implemented NoSQL queries, BSON, JSON data type.
* Shell scripting and python programming
* Implemented MongoDB build in Cloud environment
* Implemented DR test (switchover, failover)
* Implemented SSL setup for database security
* Implemented Database upgrade, patching, migration
* Implemented MongoDB Deployment with Ops Manager using DevOps strategies
* Agile and scrum methodology
* All tasks implemented according to ITIL procedures

**DBA and Database Developer / CSD (Istanbul Stock Exchange), Istanbul** **/ Dec 2009 - Aug 2016**

CSD of Turkey is one of the leading financial company of Turkey. CSD is a subsidiary company of Stock Exchange Istanbul. It is responsible for the registration of all the instruments in the capital markets. CSD keeps information and transaction of 23 million of investors around the world.

* Provided backup, restore, recovery in SQL Server 2008,2012,2014, Oracle 10g,11g,12c, Sybase (SAP ASE)
* Implemented installation, performance tuning, administration of SQL Server 2008,2012,2014, PostgreSQL, Oracle 10g,11g,12c on IBM AIX and Red Hat operating systems
* Provided Linux ( Red Hat 6), IBM AIX administration support
* Provided 7x24 mission critical multi terabyte database support and troubleshooting and consulting.
* Implemented patching, upgrading, migration tasks and project including DR site.
* Developed database archiving, subsetting and masking script with SQL and PL/SQL
* Oracle Exadata management, performance tuning and maintenance
* Implemented Data Modelling for OLTP and OLAP Databases.
* Successfully completed to SQL Server 2014 upgrade project
* Successfully completed Oracle 10g to 11g and 11g to 12c upgrade project
* Implemented Database auditing and security
* Implemented Data modelling and techniques.
* Implemented Database and SQL performance tuning
* Implemented Oracle and SQL Server Failover and Switchover scenarios
* The proficient use of industry standard tools such as ER/Studio, ERWIN, Power Designer
* Implemented SQL Analytical Queries, PL/SQL package, function, stored procedure, triggers, and cursors.
* Advanced relational modelling skills for highly scalable and high volume OLTP.
* Experienced using and encourage the use of data modelling, metadata repositories and business glossaries by business and technical stakeholders.
* Implemented data classification, data quality and data security
* Developed SQL and PL/SQL code with all phases of the Software Development Life Cycle including analysis, Resource Planning, code development, testing, implementing and maintenance.
* Assisted QA Teams for bug testing, User Acceptance Testing (UAT) & System Integration Testing.
* Documented ETL test plans, test cases, test scripts, and validations based on design specifications for unit testing, system testing, functional testing, prepared test data for testing, error handling and analysis
* Product development, maintenance and support for existing projects.
* Diagnosed and resolved root cause of defects.
* Provided ongoing support, enhancement and delivery of applications.
* Implemented SQL Server/MySQL Server to Oracle migration.
* Implemented Non-ASM file system to ASM file system migration project.
* Using Oracle Enterprise Manager Grid and Cloud Control, monitored the all databases and systems
* Designed the backup and recovery strategy of the group so as to ensure that disaster recovery, business continuity and protection of critical data service level agreements are both met as well as improved
* Implemented Oracle Basic Compression on Datawarehouse DB to minimize database size
* Used Oracle Data Pump Export and Import utility, SQL\*Loader, export and import of database
* Used Oracle Enterprise Manager Cloud Control 12c to monitoring and create metric extention
* Developed scripts to monitor the dataguard log apply process, daily backup operations
* Implemented basic Unix system administration using Unix Shell scripts
* Implemented Flashback Database and provided recovery solutions
* Installed, designed, configured and managed MongoDB database
* Implemented backup recovery, export, import on MongoDB
* Implemented Replication of MongoDB
* Implemented queries on MongoDB
* Used Jira, Confluence, Wily, Tortoise SVN, Flyway DBMaintain, Jenkins for Software Deployment Process
* Implemented numerous automation scripts in SQL and Shell. Supported Deployment process to DevOps team.

**ORACLE and SQL Server DBA / ABANK, Istanbul, Turkey** **/ Jun 2008 - Dec 2009**

ABank has been serving in Turkish banking industry since 1991 and grown rapidly into a major national and international player after Commercial Bank (P.S.Q.C.) - a prominent bank in Qatar, became the principal shareholder in 2013. With The Commercial Bank’s recent complete acquisition of it on December 19th, 2016, ABank thrives to maintain its position as a significant national and international player.

* Provided relational database design, analysis, development, administration, implementation, troubleshooting and performance tuning on HP-UX
* Oracle 9i/10g/11g software Installation, monitoring, migration, database capacity planning
* Implemented backup, restore and recovery implementation using Oracle RMAN
* Upgrading, patching, cloning, masking and subsetting Oracle database
* Installed and managed Oracle Dataguard
* Implemented Oracle Dataguard switchover and failover
* Installed, monitored and performed disaster recovery for production databases
* Database auditing and security, managing users and users security
* Development with SQL and PL/SQL languages
* Basic HP-UX administration, Shell scripting
* Installed, monitored and configured MS SQL Server
* Supported to Developers and Business Analists about SQL and PL/SQL scripting
* Implemented SQL Tuning and SQL, PL/SQL development
* Monitored systems and databases using Oracle Enterprise Manager

**Data Modeller and Architect / QNB FINANSBANK, Istanbul, Turkey** **/ (Jul 2005 - Nov 2007)**

QNB Finansbank A.Ş was found on October 26. With the leading team it was differentiated from other banks established at the same time in terms of both its main philosophy and its view of banking, and has become a success story brought to life by professional bankers where smart banking is performed. QNB Finansbank is a leading bank serving in Turkey with 630 branches and 12400 staff

* Logical and Physical Data Modelling
* Logical Database Design Quality
* ER Diagrams
* Naming Conventions
* Rules
* Policies
* Data Lifecycle Management
* Deleting/Moving to Archive
* Data according to classification
* Implementation data classification
* Implementation data quality
* Implementation data security
* Development with SQL and PL/SQL languages
* Used Sybase Power Designer as a Data modelling tool
* Worked in multi-disciplinary teams with business analysts and developers
* Implemented a report of database objects changed monthly in dev, test, production database

**Education & Training & Certification**

* MongoDB Training ( 2 weeks online + 2 weeks onside) / 2019
* Docker and Kubernetes / 2019
* Oracle 10g Oracle Certificate Associate OCA
* Oracle 9i: Database Administration Fundamentals I – 5 Days
* Oracle 10g: Database Administration Workshop II – 5 Days
* Oracle 11g: Database Administration Workshop II – 5 Days
* Oracle 11g: Performance Tuning – 5 Days
* Oracle 11g: RAC and Grid Infrastructure Administration Accelerated – 5 Days
* Oracle 11g: RAC Administration – 5 Days
* Oracle Open World 2012, San Francisco, USA – 6 Days
* HP-UX System and Network Administration I - 5 Days
* ITIL V3 Foundation – 3 Days
* 2000 – 2005 BSc in Computer Engineering, Ege University, Turkey

**References**

Excellent references available on request.