



Andrey A.

Data Engineer



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Professional summary

Data Warehouse expert with 7+ years of experience and solid knowledge in data engineering. AWS certified specialist with strong knowledge in Python and SQL. Helps the team to commit only to achievable objectives within a reasonable time frame. Performs cost optimization and full cycle of Data extraction and preparation.

Education

AWS Certified Solutions Architect – Associate /
Amazon Web Services
AWS Certified Developer– Associate / Amazon Web
Services

Moscow Institute of Electronics and Mathematics,
Russia, Moscow
Faculty of Automation and Computer Engineering

Skills

Python, Java
SQL
AWS (Lambda, Step Functions, Athena, Batch, RDS,
CFN, CDK, Athena, EMR, S3, EC2, ECS)
Apache Airflow
PostgreSQL, Oracle, MS SQL, DB2 LUW, MariaDB
MS SSIS, Pentaho DI, Talend DI
Snowflake
Ansible, Jenkins, Docker, GitHub Actions, CircleCI,
Atlantis, Terraform, Packer
PySpark, Hive, pandas
Atlassian (Jira, Bitbucket, Confluence), JetBrains
(Youtrack, Upsource), VirtualBox, VMWare
Linux
Git

	Godel Technologies Europe
Project	Transport logistics (https://www.thetrainline.com/) Telecommunications Betting
Period	Jul 2019– till present
Role	Lead Data Engineer
Technologies	Python, SQL, AWS (CloudFormation, DynamoDB, SimpleDB, Lambda, Step Functions), Apache Airflow
Responsibilities	
<ul style="list-style-type: none"> • Data consulting projects handling which involves migration/use of AWS • Cost optimization of AWS usage • Data processing development (Python + AWS Batch + Rest API) • Internal framework development with collection pipeline implementation • Internal trainings performance on topics: AWS, Python, Apache Airflow • Team mentoring and coaching • Communication with clients 	

Project	Klika Tech Inc.
	Project for Canadian company which offers B2B solutions for retail companies. PoC solution for a company include solution for Data Integration between their partners and company's REST API.
Period	Dec 2017 – Jul 2019
Role	Data engineer
Technologies	Python, AWS (CloudFormation, RDS, DynamoDB, SimpleDB, Lambda, Step Functions, Athena, Batch, SageMaker, Insights), MySQL, Snowflake, Talend Open Studio for DI, GitLab, docker, JET (Java Emitter Templates), Java 8, Python,
Responsibilities	
<ul style="list-style-type: none"> • Talend DI integration (Open source) into stack of technology of partner's company • Custom components development for Talend DI • ETL process design, creation and documentation to load custom data into REST API • AWS IoT Thing Shadow messages transformation into common format • AWS services batch data processing • Python ETL packages development • Tech Talk speaker 	

Project	Accenture Digital
	Banking (French financial group)
Period	Aug 2017 - Dec 2017
Role	ETL Developer
Technologies	IBM InfoSphere DataStage, DB2 LUW, DB2 for z/OS, Oracle, SAP Business Objects BI, git, Jenkins, IBM InfoSphere DataStage, HP Service Quality Management Solution
Responsibilities	
<ul style="list-style-type: none"> • ETL Process development and configuring • Test Strategy development • Data Marts Model creation • Data Extraction, Cleansing and Enrichment • DWH reverse data flow development to one of a Core System • Business Glossary System creation • MIS and reports creation for management 	

Project	Progress Soft
	Banking (Russian mortgage bank)
Period	Nov 2016 - Jul 2017
Role	ETL Developer & DWH Developer
Technologies	PostgreSQL 9.6, pgbouncer, Pentaho DI, git, GitLab, Jira, Pentaho BI, Mondrian, saiku, RunDeck, Pentaho CDE, Oracle, MS SQL Server, DB2 LUW, MySQL, DBF, Google Analytics, Centos, systemd
Responsibilities	
<ul style="list-style-type: none"> • Data warehouse development and support • BI and Reporting Server development and support • Data pipelines creation • BI software configuration • Communication with customers (BI and Reporting solutions). • Customer's IT team consultation 	

Project	OTP Bank
	Implementation of anti-money laundering and anti-terrorism financing system (following the European Central Bank requirements)
Period	Jul 2015 – Oct 2016
Role	ETL Developer
Technologies	Oracle, Informatica, pl/SQL, svn, RHEL, Jira, Confluence, FishEye, python
Responsibilities	
<ul style="list-style-type: none"> • Data collection from Corporate Data Warehouse, Banking Core System • Data anonymization and data de-anonymization (reverse flow) • System and Functional Requirements creation • Communication with business units and vendors • Outcome ETL process development and technical support • UAT Testing 	

Project	Intesa Sanpaolo
	Banking (Italian financial group)
Period	Apr 2014 - Jul 2015
Role	ETL Developer
Technologies	MS SQL Server, MS SSIS, MS SSRS, Oracle, Paradox, svn, RHEL, AIX 6.x, MS Windows Server 2012R, Citrix

Responsibilities

- Corporate data warehouse development and support
- Internal BI systems development and support
- Automated management statements creation for departments of finance and market risks
- Financial reporting tools development for the Central Bank of Russia (Interest Rate Risk Information)
- Financial reporting development and sending tools for the European Central Bank (within the framework of Basel II / III project (market risks))

Project	Binbank
	Banking
Period	Apr 2013 - Mar 2014
Role	Leading Risk Analyst
Technologies	Python, Oracle, MS SQL Server, SAP Sybase, SAS DI, MS SSIS

Responsibilities

- Data preparation for management reporting, automation of regular reports
- Portfolio segmentation of retail loans for calculating of PI-provisions (IFRS)
- Internal DWH development for Retail-Risk Department
- New joiners training
- Data collection for autodialing system efficiency analysis
- Functional testing performance of software used in Collection Division