Oleksandr H.
Senior Python Software Engineer

SUMMARY

- Software Engineer with more than 6 years of commercial experience in software development - Interested in cloud computing, software architecture design, and efficient algorithms - Deep knowledge of Web development technologies - Excellent knowledge of common software engineering practices, like OO principles, modern design patterns, test-driven development, continuous integration, and continuous deployment - Extensive experience in building architecture and database optimization - Extensive experience in mentoring specialists, making code review - Dedicated and responsible team player - Quick learner, team player, goal-oriented and responsible - Upper-Intermediate English - Available ASAP

TECHNICAL SKILLS

Main Technical Skills	Python
Programming Languages	Python
Java Frameworks	Apache Spark
Scala Frameworks	Apache Spark
.NET Platform	Azure
Python Frameworks	Django, Flask
Python Libraries and Tools	Pandas
Data Analysis and Visualization Technologies	Apache Spark, Pandas
Databases & Management Systems / ORM	Apache Spark, AWS DynamoDB, Cosmos DB, MongoDB, MySQL, PostgreSQL
Cloud Platforms, Services & Computing	AWS, Azure, GCP
Amazon Web Services	AWS DynamoDB, AWS Lambda
Azure Cloud Services	Cosmos DB
Methodologies, Paradigms and Patterns	Agile, Kanban, Scrum
SDK / API and Integrations	Api Gateway, Google API, RESTful API

Collaboration, Task & Issue Tracking	Atlassian Trello, Jira
Deployment, CI/CD & Administration	CI/CD
Virtualization, Containers and Orchestration	Docker, Kubernetes, Terraform
Version Control	Git
Operating Systems	Linux, macOS, Windows
QA, Test Automation, Security	Selenium Webdriver, Unit Testing
Mail / Network Protocols / Data transfer	WebSockets
Other Technical Skills	Dataframes

PROJECTS

Python Developer

2022 - October 2022

Description: Project based on the Data Pipelines from different sources to DataLake and AzureSQL.

Responsibilities:

- design components of the system and implement them
- Create CICD pipelines using Terraform
- Write unit and integration tests using Pytest
- Mentoring new developers
- Regularly conduct code reviews and pair programming with team members.

Technologies: Azure DF, Azure SQL, Azure Synapse Analytics, Pandas, Azure Databricks, Python, CI/CD, Terraform, Kubernetes

Python Developer

February 2021 - January 2022

Description: The project is about ETL pipelines from excel files to NoSQL DB. Media upload mapped with models in DB

Responsibilities:

- implementation of design for this application
- writing server layer: API Gateway + AWS Lambdas

- developed a MongoDB database with optimization query implementation.
- Developed geocoding algorithm design based on Google API Geocoding to fast and correct mapping address with coordinates as well.
- development process related to image and video uploading that have been stored on S3.
- Write unit and integration tests using Pytest
- Mentoring new developers
- Regularly conduct code reviews and pair programming with team members.

Technologies: AWS Lambda, MongoDB, Pandas, Dataframes, GoogleAPI, AWS Cloud

Python Developer
May 2020 - January 2021

Description: The main goal of this web-based solution is to provide security checks of deployed infrastructure

Responsibilities:

- implementation integration with third-party services
- implementing new features.
- development of end-to-end interaction with other services,
- creating a unified interface to get the simple and optimized workflow
- designed and was responsible for implementing unit tests cases

Technologies: AWS Lambda, DynamoDB, ApiGateway, Django

Python Developer
January 2019 - April 2020

Description: MVP project-based web scrapping and Data Engineering pipelines.

Responsibilities:

- develop & design Python scrapers for services,
- develop data ETL pipelines.

Technologies: Azure Virtual Machines, mongo DB, Python, Selenium, Firefox & gecko driver, ADF, Azure Synapse

Python Developer
December 2017 - November 2018

Description: POC based on development OAuth 2 provider using Azure AD

Responsibilities:

• develop a custom OAuth 2 provider with full authorization/authentication flow

Technologies: Python, Azure AD, Django, Flask

Python Developer

January 2017 - December 2017

Description: The project is a huge corporate network with a lot of webs services for different purposes

Responsibilities:

• design the back-end part of the application

• implementation of new features.

• led the development of the backend part and was responsible for the deployment strategy.

• This is in web services based on Django and Flask frameworks with authentication, roles, and message brokers.

• Deployment was on AWS EC2 with load balancers.

• As a part of developing such services was to implement shop websites, primarily on Django with different payment systems (centralized and decentralized).

Technologies: Python, Django, Flask, AWS, payment systems

EDUCATION

Kharkiv National University of Radio Electronics, Bachelor of computer engineering

CERTIFICATES

Certified AWS Developer - Associate