

AZAMAT

PROFESSIONAL SUMMARY

I have 9 + years of experience in software development and I have earned Master's in Software Engineering from DePaul University

I have been actively engaged in Big Data on AWS platform for the last 3 years. My last 3 projects involve building data pipeline using Apache Spark, AWS GLUE and AWS EMR (In addition I have been using a wide variety AWS services such as Sagemaker, Redshift, Step Functions, Lambdas, MWAA, S3, DynamoDB, ElasticSearch and etc). Prior to that, my primary field of expertise was building microservice applications on Java EE platform (mainly Springboot)

PROFESSIONAL SKILLS

- Able to work in a variety of environments, have excellent follow-up skills, provide detailed documentation, and can work effectively and independently.
- Provide strong analytical and problem-solving skills to solve complex customer business and technical challenges.
- Solid work experience using Object Oriented Programming languages (Python, Java, Scala, Groovy, Java Script, Type Script, C#, etc).
- Good Knowledge of Service Oriented Architecture, proven track of implementing its principles and good practices
- Proficiency in Apache Spark, proven track of optimizing spark applications
- Working knowledge Machine Learning process
- Good knowledge on partition of Kafka messages and setting up the replication factors in Kafka Cluster.
- Strong working knowledge in Spring Core, Spring ORM, Spring DAO, and Spring MVC Spring, Spring JDBC architectures.
- Effective use Java 8 features such as Functional Interface Programming, Lambda's, Streams including extensive knowledge with concurrency, multi-threading, exception handling, filters, and Generics.
- Broad knowledge of application security, effective implementation of Spring Security/ OAuth 2/ OpenID
- Strong understating in Core-Java with strong understanding of OOPS Concepts, Collections, Exception handling, Multithreading/Concurrency and Garbage collection.
- Proven track of using design patterns (such as Singleton, Observer, Factory)
- Experience in Hibernate to store the persistent data as an Object-Relational Mapping (ORM) tool for communicating with database.
- Expertise in designing and coding stored procedures, functions, triggers, packages using SQL, MySQL, PL/SQL and PostgreSQL
- Experienced with NoSQL databases like DynamoDB, MongoDB , Cassandra and Firebase
- Solid experience in building and consuming microservices (WSDL, SOAP, Axis2 and JAX-WS).
- Solid understanding of Continuous Integration and Continuous Delivery concepts (DevOps)
- Experience on build tools such as Ant, Maven and Gradle.

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TECHNICAL SKILLS

- **Programming Languages:** Python , Java , Scala , Kotlin, C# , C++
- **Big Data:** Apache Spark, Databricks,AWS Glue, AWS EMR, AWS Redshift
- **Orchestration tools** Step Functions, Lambda, MWAA, Apache Airflow
- **Machine Learning:** SageMaker, Scikit Learning
- **Containers** Docker, Kubernetes
- **Relational Databases:** PL/SQL, PostgreSQL and MySQL
- **NOSQL Databases:** DynamoDB, Mongo DB, Cassandra ,
- **Messaging Platforms:** Kafka, Rabbit MQ, AWS Kinesis, SQS
- **Build Tools:** Maven, Gradle, Pipenv
- **Source Code Management:** GitHub, GitLab , Perforce
- **Testing Tools:** JUnit, Cucumber, Unittest, Pytest, Behave
- **DevOps** Jenkins, Terraform, UCD, Cloudformation

EDUCATION

Master of Science in Software Engineering, Depaul University, Chicago, IL
January 2016 • November 2019

Bachelor of Art in Commercial Law, University of Westminster, Tashkent, Uzbekistan
September 2008 • June 2012

CERTIFICATIONS

Studies in Business Computing, University of Westminster, Tashkent, Uzbekistan
September 2007 • June 2008

LANGUAGES

English | Russian | Uzbek | German

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EMPLOYMENT HISTORY

DATA ENGINEER Fannie Mae Chicago, IL | January 2022- Present

- Responsible for building data pipelines and implementing model changes suggested by ML research team
- Have worked closely with the ML research team to understand Machine Learning Process
- Have implemented model and code changes suggested by ML research team and Business Analysts
- Have built data pipeline using EMR (PySpark) which prepares data for SageMaker training and processing jobs
- Have created glue tables for Redshift Spectrum external tables
- Have built orchestration workflow using Step Functions and Lambda
- Improved spark cluster by effectively repartitioning data among worker nodes

Environment: Python, EMR, SageMaker, Apache Spark, Apache Airflow AWS Glue, BitBucket, Databricks, AWS Redshift

DATA ENGINEER Apex Systems/ Virginia Tech Chicago, IL | October 2021- January 2022

- Responsible for designing and building components for building ETL pipeline and components for datalake
- Have designed and built ETL jobs for responsible for pulling data from various sources; 3rd party API, Oracle database and etc
- Have designed data ingestion pipeline that feed data to Redshift
- Have built orchestration workflow using apache airflow
- Actively participated in migrating data transformation pipeline to serverless architecture
- Have ownership data pipelines

Environment: Python, Apache Spark, Apache Airflow AWS Glue, Gitlab, AWS Athena, AWS MWAA, AWS Redshift

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DATA ENGINEER/ ENGINEER, Capital One Financial, Chicago, IL | Sept 2020 - Oct 2021

- Responsible for building and maintaining java/scala applications which run on spark cluster and on aws glue
- Built java application which validates data consistency among different data pipelines
- Actively participated in migrating data transformation pipeline to serverless architecture
- Have ownership over specific applications(planning, development, QA, deployment and prod support)
- Designed and built aws glue python application which orchestrates downstream aws glue jobs
Built Jenkins pipeline which provisions/ destroys infrastructure for the data pipelines
- Improved spark cluster by effectively repartitioning data among worker nodes
- Built applications which converts avro files to protobuf message and pushes to DynamoDB
- Built Rest API endpoints using AWS Lambda
- Mitigated security vulnerabilities on contained based applications.
- Supported legacy application. (Java springboot application on ec2 instance)

Environment: Java 8, Scala, Python, Apache Spark, AWS Glue, Kafka , AWS SNS, AWS SQS, AWS Lambda, Git, Maven, Gradle, Jenkins, Docker, Kubernetes

SR SOFTWARE ENGINEER, United Group Logistics, Oswego, IL | March 2019- September 2020

- Led Agile team for course of entire Software Development Lifecycle
- Performed code review for the team members as per project standards. Followed Agile SCRUM methodology to deliver the product.
- Participated in multiple projects during my tenure. Experience in working both offshore and in the USA.
- Built a microservices for payment calculation, payment analysis, load scheduling and load dispatching which helped to save 38 labor hours a week and saving around \$70,000 a year for 3rd party software licenses
- Integrated OAuth2 and OpenID for third party authentication
- Built Jenkins pipeline for infra provisioning and app deployment
- Work with stakeholders to gather functional and technical requirements.
- Built responsive dynamic user interface using Angular 8 which interacted with backend services
- Application deployment on AWS

Environment: HTML5, CSS, Angular 8 Java 8, Spring Boot, Python, Django, Pandas, Numpy, Matplotlib, Mulesoft, PostgreSQL, Cassandra, Git, Jenkins, AWS. Docker

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FULL STACK JAVA DEVELOPER, McDonalds, Chicago, IL |

March 2018 – March 2019

- Collaborated with other team members with spring panning and calculating estimations.
- Built front end components using Angular 6 which interacted with backend services
- Document business requirements and work as part of team to define and implement solutions.
- Developed and implemented dynamic filtering for restful web services using Spring boot.
- Developed Kafka consumer using KafkaTemplate
- Designed (with team) Cassandra database for in order to resolve issues with scalability and availability issues
- Effective implementation of Netflix Hystrix library for minimizing latency between the legacy application and AWS deployed microservices.
- Used Hibernate, object/relational-mapping (ORM) solution, technique of mapping data representation from MVC model to Oracle Relational data model with SQL-based schema.

Environment: Angular 6, Java 8, Node.js, Spring Boot, Kafka , Oracle SQL, CassandraDB, Git,, Maven, Gradle, Jenkins, Docker, Kubernetes , AWS (EC2, SNS, S3)

FULL STACK JAVA DEVELOPER, Walgreens |Deerfield, IL,|

March 2016 - Jan 2018

- Was active member of Agile team tasked with building new features to improve user experience and migrating legacy system components to SOA based architecture
- Responsible for the development of micro services.
- Integrated third party services and API's. Integrated Google Maps API into to the application which allows users to see shop on the map and get direction.
- Used Hibernate framework to take advantage of Object-relational mapping, Caching, Lazy Loading and relationship management Implemented Microservices Architecture, with Spring Boot-based services interacting through a combination of REST, SOAP.
- Involved in development of user interfaces using HTML, CSS, javascript
- Built React JS components which interacts with backend services

Environment: HTML, CSS, React JS, Node.js, Java 8, Spring Boot, Kafka, Oracle SQL, Git, Maven,Gradle Jenkins, AWS, Docker, Kubernetes, Tomcat

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JAVA DEVELOPER Computer Systems Institute, | Skokie, IL | June 2015- Jan 2016

- Worked as part of agile team tasked with improving application performance, designing, proposing and implementing architectural changes.
- Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
- Gained experience in Software Development models like Waterfall and Agile.
- Using Oracle SQL Developer 1.2.0 for Oracle 11g for running queries to confirm the results from the application.
- Optimized application performance. Fixed bugs and tested the applications on multiple devices and emulators.
- Developed responsive web application AngularJS with HTML, CSS and Bootstrap.

Environment: HTML, CSS, Java Script, Java 8, Spring Boot, MySQL, Git, Maven, Jenkins, Glassfish

JR. PHP DEVELOPER Almus LLC | Uzbekistan Jan 2012 - March 2014

- Worked as part of remote team tasked with building application microservices,
- Learned coding
- Prepared progress report for the end client
- Documents project requirements and project progress
- Gained experience in LAMP stack, PHP, Linux, Apache Server, MySQL, HTML, CSS
- Gained experience in Software Development models like Waterfall and Agile.

Environment: HTML, CSS, PHP, Yii, MySQL, Apache Server, Git, Jenkins,