# **Mohammad Afzal**

Senior DevOps Engineer | Azure Cloud and Machine Learning Specialist  
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## Summary

Experienced DevOps Engineer with over 8 years of experience in software development and a strong focus on Azure cloud services, data warehousing, and machine learning. Proven track record in designing, building, and maintaining scalable and efficient cloud-based solutions. Passionate about leveraging cloud technologies and machine learning to drive business transformation. Actively engaged on stackoverflow.com with a reputation of over 8000 points. Passionate hobbyist guitarist.

## Technical Proficiencies

**Cloud Services:** Azure Synapse Analytics, Azure Data Factory, Azure Machine Learning, Azure Kubernetes Service, AWS (EC2, RDS, S3, Lambda)

**Programming Languages:** Python, Java, Scala, JavaScript

**Data Warehousing:** SQL Server, Oracle, MySQL, NoSQL, Snowflake

**DevOps Tools:** Docker, Kubernetes, Terraform, Azure Resource Manager, Jenkins, Git

**Machine Learning and Data Science:** PySpark, Pandas, Scikit-learn, JupyterLab

**Other Skills:** CI/CD Pipelines, Data Governance, Infrastructure as Code (IaC)

## Experience

**Full Stack Developer  
Northern Trust | 2023 – 2024**  
*Responsibilities and Achievements:*

* Key contributor to building and maintaining a microservices architecture, including Config and Eureka Servers.
* Led security enhancements, implementing Azure AD-based SSO for enhanced access control.
* Engineered and optimized CI/CD pipelines using GitHub, enhancing development and deployment processes.
* Performed comprehensive testing (JUnit, JMeter) to ensure system reliability and efficiency.
* Applied Behavior-Driven Development with Cucumber aligning development with business objectives.

**Product Development Engineer  
Calibo | 2020 – 2023**  
*Responsibilities and Achievements:*

* Led the development of scalable web applications in a microservices architecture using Java, Spring Boot, and Hibernate.
* Collaborated with cross-functional teams to understand requirements and deliver quality features.
* Architected and implemented DevOps practices (Docker, Kubernetes, Jenkins) for continuous integration and deployment.
* Utilized AWS services (EC2, RDS, Sagemaker) to build robust, scalable cloud solutions.
* Worked closely with stakeholders for feedback, optimizing application performance and ensuring smooth delivery.

**Senior Associate  
Nagarro | 2019 – 2020**  
*Responsibilities and Achievements:*

* Led digital transformation projects, developing web applications with Spring Boot, RabbitMQ, Angular, and PostgreSQL.
* Designed and implemented scalable microservices architectures.
* Ensured high code quality and best practices through code reviews and automated testing.
* Actively participated in agile processes (sprint planning, daily stand-ups, retrospectives).

**Senior Associate  
Nagarro | 2019 – 2020**  
Responsibilities and Achievements:

* Led digital transformation projects, developing web applications with Spring Boot, RabbitMQ, Angular, and PostgreSQL.
* Designed and implemented scalable microservices architectures.
* Ensured high code quality and best practices through code reviews and automated testing.
* Actively participated in agile processes (sprint planning, daily stand-ups, retrospectives).

**Freelancer  
Independent Contractor | Before 2015**  
Responsibilities and Achievements:

* Successfully completed various freelance projects, including web application development and customization.
* Worked closely with clients to understand their needs, delivering tailored solutions within set timelines.

## Education Detail

**Master of Science** in Data Science from Liverpool John Moores University (Distance)

**Post Graduate Diploma** in Data Science from IIITB Bangalore (Distance)

**Bachelor of Technology** in Computer Science from Uttarakhand Technical University

**Higher Secondary School** from Modern School Rishikesh (CISCE)

**High School** from Modern School Rishikesh (CISCE)