

Mohammad Afzal

Senior DevOps Engineer | Azure Cloud and Machine Learning Specialist
mohammadafzal.tech@gmail.com | +917222876247 | <https://afzalex.com>

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 IITB 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)