SM Mushtaq Bokhari

Lead Consultant

4-year experience as **DevOps Engineer**

Branch Knowledge

IT, Education, Automotive

Subject Expert

Cloud Computing, Full-Stack Development

Qualification

M.Eng. Software Engineering, B.Eng. Information Technology

Tools & Software

C#, .NET, SQL, Azure, AWS Cloud, Docker, Kubernetes Terraform, Helm, Pipelines Repository Management, Secret Management

Environment

Windows, WSL, Linux: Ubuntu

Sprachen

English, Germany, Japanese

Profile

Mr. Bokhari is an experienced DevOps Engineer with over 4 years of practical expertise designing, implementing, and optimizing cloud-native infrastructures and CI/CD pipelines. His core strengths include container orchestration (Kubernetes, Docker), infrastructure as code (Terraform, Helm), and automated build and deployment with tools such as GitHub Actions and GitLab CI. Throughout his international engagements in Germany and Japan, he has delivered scalable, secure, and highly available solutions for diverse industries, fostering cross-team collaboration and operational excellence. Skilled in secure secrets management using Azure Key Vault and artifact repository management with JFrog Artifactory, he enhances pipeline security and reliability.

He has a strong record of deploying and managing robust monitoring, logging, and alerting systems, leveraging Grafana and Prometheus to enable data-driven reliability and rapid incident response in production. Mr. Bokhari’s passion for automation, modern DevSecOps practices, and mentoring peers is reflected in his ongoing contribution to open-source initiatives and emphasis on knowledge sharing within teams. His approach combines innovation and reliability, ensuring that business objectives are met efficiently and securely.

CGI Experience

**DevOps Engineer, IT Services Industry (4/2025 – 8/2025)**

As a skilled DevOps Engineer, Mr. Bokhari was integral to a project aimed at transforming the software delivery process for a cloud-native application by implementing automated, secure, and highly scalable CI/CD pipelines. He expertly architected these pipelines using GitHub Actions, automating the build, testing, security scanning, and deployment workflows to replace a previously manual, error-prone, and slow deployment process that caused delays and operational risks. He integrated automated security scanning with Snyk and enforced rigorous code formatting and quality standards through ESLint and Prettier, reducing manual intervention by 80%. His work enabled rapid, reliable, and fully compliant deployments that adhere to continuous delivery principles and operational excellence, significantly improving the overall efficiency and security of the software releaselifecycle. Key technologies applied included GitHub Actions, Snyk, ESLint, and Prettier.

Other Experience

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| DevOps Engineer / Automotive (03/2023 – 08/2023) | |
| **Project Description:** | Mr. Bokhari was engaged in addressing significant efficiency issues at the company’s global production sites related to intralogistics. These inefficiencies stemmed from inadequate monitoring and control of IoT devices, specifically Automated Guided Vehicles (AGVs), across multiple manufacturing locations. The project aimed to develop a centralized, real-time solution to optimize material flow and minimize downtime, thereby enhancing operational productivity. |
| **Responsibilities:** | In this capacity, Mr. Bokhari developed scalable, microservice-based web applications using Python, ensuring the software handled the demands of complex and distributed automotive environments. He provisioned and managed Azure Kubernetes Service infrastructure, utilizing Terraform and Helm for automation and orchestration. Additionally, he established robust CI/CD pipelines with GitLab Actions to automate application delivery seamlessly and implemented centralized monitoring dashboards using Grafana with Prometheus metrics integration to visualize system health and rapidly respond to anomalies. He was responsible for the comprehensive deployment and configuration of Azure cloud infrastructure. |
| **Results:** | His efforts resulted in a 20% increase in logistics performance by optimizing AGV operations and a 30% reduction in application load times through efficient server-side rendering. |
| **Technologies:** | Python, Microservices, Azure, Kubernetes, Docker, Kafka, Confluence |
| DevOps Developer / IT Services (11/2018 – 02/2022)  *Order-Management-System / Education Industry* | |
| **Project Description:** | Mr. Bokhari played a pivotal role in modernizing a legacy order management system for the education industry. Faced with operational bottlenecks and frequent delays caused by an outdated sales management infrastructure, he took full ownership of transforming the backend ecosystem into a high-performing, scalable, and maintainable platform. |
| **Responsibilities:** | Mr. Bokhari expertly containerized backend services using Docker to ensure portability and enable seamless scaling across environments, effectively eliminating dependencies and simplifying deployments. He architected and maintained robust CI/CD pipelines with GitLab CI, automating build, test, and deployment workflows to drastically reduce errors and accelerate delivery cycles. Harnessing the power of Azure Cloud, he designed automated infrastructure management solutions that supported reliable hosting and resilient operations. Through close collaboration with business analysts and QA testers, he translated complex requirements into innovative technical implementations precisely aligned to client needs |
| **Results:** | As a result of his DevOps leadership, the system’s query execution times were reduced by 40%, automated workflows delivered savings of over 20 developer hours per month, and extensive refactoring efforts led to significantly enhanced system stability and maintainability. |
| **Technologies:** | C#, .NET, Docker, GitLab CI, and Azure Cloud |

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| *AI-Chatbot /* Advertising Industry | |
| **Project Description:** | As a DevOps Developer in the advertising industry, Mr. Bokhari led the transformation of IT support operations by automating the deployment and management of an NLP-powered chatbot backend. The internal IT support team was previously overwhelmed with repetitive onboarding and offboarding requests, leading to significant delays in addressing critical issues and diminishing overall departmental efficiency. Recognizing this bottleneck, Mr. Bokhari designed a scalable, microservices-based backend and fully containerized the chatbot deployments, automating the entire delivery pipeline using GitHub Actions. |
| **Responsibilities:** | He developed robust RESTful APIs to support a dynamic microservices architecture and engineered the observability stack by managing logs and comprehensive monitoring with Azure cloud services. Mr. Bokhari also automated backup workflows for Azure Cosmos DB, implementing secure replication to Azure Blob Storage, thereby ensured data durability and disaster recovery readiness. He conducted rigorous restoration testing to guarantee 100% data integrity and compliance with enterprise data protection standards, demonstrating advanced reliability engineering principles. |
| **Results:** | His efforts resulted in a 30% reduction of the IT support team’s workload, enabling staff to focus on mission-critical problem-solving, and improved response times to employee requests from over 30 minutes to under 5 minutes. |
| **Technologies:** | Python, GitHub Actions, Azure Cloud, Azure Cosmos DB, Azure Blob Storage |
| *Human Resource Management System / Marketing Industry* | |
| **Project Description:** | Mr. Bokhari contributed as a DevOps Engineer to the delivery of a comprehensive Human Resource Management System for a media marketing client, aimed at optimizing recruitment processes and improving candidate selection. |
| **Responsibilities:** | He designed and developed RESTful APIs with role-based access control for job postings, applications, and profile management. Additionally, he built a responsive and accessible user interface across devices, integrating frontend state management. He implemented resume parsing for structured data capture and automated job matching based on search history and profile information. To streamline delivery, he integrated CI/CD pipelines using Azure DevOps for automated deployments. |
| **Results:** | His work improved backend performance, reducing portal load times by 25%, and increased application rates through personalized recommendations. |
| **Technologies:** | C#, SQL Server, Azure Cloud, Docker |
| *360-Degree-Feedback System / IT Industry* | |
| **Project Description:** | Mr. Bokhari supported the transition from a subjective annual review process to a data-driven, transparent 360-degree feedback system. |
| **Responsibilities:** | As a DevOps Engineer, he actively participated in sprint planning and refinement meetings to ensure effective communication between development and stakeholders. He established automated CI/CD workflows with GitLab CI/CD and managed environment provisioning using Terraform, promoting consistency and reliability. Advocating for Test-Driven Development (TDD) and automation, he mentored junior developers to improve code quality and maintainability. |
| **Results:** | These efforts enhanced employee engagement and transparency, facilitated data-driven HR decision-making, and increased system stability with 80% automated test coverage. |
| **Technologies:** | C#, GitLab CI/CD, Terraform, Azure, MySQL |

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| Technical Specialization   * Cloud-native Application Development and Deployment * Full-Stack Development * AI and ML Implementations | Education   * M.Eng. Software-Engineering, Hochschule Hof, Bavaria, Germany (03/2022 - 09/2024) * B.Eng. Information Technology, PES-University, Karnataka, India (08/2014 - 08/2018) |
| Areas of Expertise   * MicroserviceArchitecture * DevOps and CI/CD * Web and Cloud-Applications * AI-Integration | Certificates and Trainings   * Microsoft Certified: Azure AI Engineer Associate (2025) * Microsoft Certified: AI-Fundamentals (2023) * Toastmasters International Public Speaking (2021) * Terraform * Jenkins * Redhat |

Skill Matrix

| Skill | No of Years\* | Skill Level\*\* |
| --- | --- | --- |
| Technical Competencies | | |
| Scripting: Python, Bash, Powershell | 5 | 3 |
| CI/CD & Automation: GitHub Actions, GitLab CI, Jenkins | 4 | 3 |
| RESTful APIs, Docker, Kubernetes | 4 | 3 |
| Git, SVN, SQL | 4 | 3 |
| Terraform, Helm Charts, Dashboard & Visualisation: Grafana | 3 | 3 |
| Load Balancing: NGINX | 2 | 3 |
| Secrets Management: Azure Key Vault, JFrog Artifactory | 2 | 2 |
| Metric Collection & Alerting: Prometheus, Snyk | 1 | 2 |
| Applications | | |
| Azure/AWS (Azure Functions, AWS Lambda) | 3 | 3 |
| ERP-Systems | 2 | 2 |
| IT-Knowledge | | |
| Cloud, DevOps | 5 | 3 |
| Full-Stack Development, AI | 4 | 3 |
| Domain Knowledge | | |
| IT-Services | 4 | 3 |
| Automotive, Education | 2 | 3 |
| Languages | | |
| Hindi, Urdu | Mother Tongue | |
| English | 23 | 4 |
| German, Japanese | 3 | 3 |
| Other Competencies | | |
| Project Management, Scrum/Agile,  Public Speaking, Communication | 4 | 3 |

\* Corresponds to the duration of the expertise used in years

\*\*Skill Level: 1 = Beginner, 2 = Experienced, 3 = Advanced, 4 = Expert