

# Syed Usman Bukhari

Telephone: 07462660889 | Email: [usmanbukhari541@gmail.com](mailto:usmanbukhari541@gmail.com) | Portfolio: [usmanbukhari.co.uk](https://usmanbukhari.co.uk)

---

Results-driven Full Stack & DevOps Engineer with extensive experience in designing, optimising, and securing scalable backend systems and cloud infrastructure. Skilled in building robust APIs, automating deployments, and implementing CI/CD pipelines to enhance software delivery efficiency. Proven ability to improve system performance, migrate legacy applications to modern architectures, and enforce best security practices. Adept at leveraging technologies like Kubernetes, Terraform, and cloud platforms to drive operational excellence. Passionate about developing high-performance solutions that ensure reliability, scalability, and seamless user experiences.

---

## Key Skills

Backend Development | API Design & Microservices | Cloud Architecture (AWS, Azure, GCP) | DevOps & CI/CD Pipelines | Infrastructure as Code (Terraform, Ansible) | Python (Django, Flask) | Node.js (Express.js) | C# | PostgreSQL, MongoDB, MySQL | GraphQL, REST, OpenAPI | AWS API Gateway, Lambda, Step Functions | System Scalability & Security (JWT, OAuth2, RBAC, API Rate Limiting) | ETL Pipelines & Data Processing | Performance Optimization & Caching (Redis, CloudFront) | TDD & Continuous Security | Shopify (Liquid) | Containerization (Docker, Kubernetes) | Version Control & Project Management (Git, BitBucket, Jira, Trello)

---

## Career Summary

Feb 2024 – Present

**Full Stack & DevOps Engineer** – TSG/Dayta (Sage Partner)

- Developed and maintained backend solutions and APIs to enhance application functionality and performance.
- Built internal tools using Flask, streamlining developer productivity and automation workflows.
- Integrated Node.js & Express APIs with IMP (budgeting software), ensuring seamless financial data synchronization.
- Designed and deployed CI/CD pipelines using AWS services (CodeBuild, CodePipeline, API Gateway), automating software delivery and improving release efficiency.
- Set up Terraform infrastructure-as-code, enabling scalable, repeatable AWS deployments.
- Implemented AWS Lambda & Step Functions to orchestrate event-driven workflows.
- Developed APIs following TDD & Continuous Security principles, enforcing best practices for authentication, encryption, and API security.
- Worked with both SQL (PostgreSQL) and NoSQL (MongoDB) databases, optimizing data queries and indexing.
- Integrated frontend components using Angular to build responsive, dynamic user interfaces.
- Built internal tools to support clients and customers using React with AWS Amplify, enabling rapid development and robust cloud integration.

## Key Achievements:

- Automated deployment workflows using Kubernetes & Terraform, reducing downtime by 40%.
- Optimized backend architecture to handle double the traffic load, ensuring zero performance degradation under peak usage.

Jan 2022 – Feb 2024

**Full Stack Engineer** – Citadel Health

- **Designed and developed frontend interfaces for Laboratory Information Management Systems (LIMS) using React**, ensuring intuitive user experiences and streamlined laboratory workflows.
- Developed RESTful APIs using Django REST Framework (DRF) and OpenAPI to support high-volume LIMS workflows.
- Designed cloud-native solutions leveraging AWS services (EC2, S3, RDS, Lambda, API Gateway, IAM) to deliver robust and scalable LIMS applications.
- Integrated HL7 and FHIR APIs for seamless interoperability with Electronic Health Records (EHRs) and hospital systems.

- Refactored monolithic applications into microservices architecture, significantly improving scalability, modularity, and maintainability.
- Developed comprehensive API documentation using Swagger and OpenAPI, facilitating improved developer collaboration and efficiency.
- Built Continuous Integration and Continuous Deployment (CI/CD) pipelines using GitHub Actions and Jenkins, automating testing processes and accelerating deployment cycles.

#### Key Achievements:

- Led the development of a secure LIMS, significantly enhancing data accessibility and reducing sample processing time by 35%.
- Optimized API performance, reducing API response times by 30%.
- Implemented Redis caching and AWS CloudFront, enhancing API throughput and effectively reducing database load.
- Achieved a 20% reduction in AWS infrastructure costs through strategic resource optimization and the adoption of containerized deployments using Docker and Kubernetes.
- Built a real-time monitoring system utilizing Prometheus and Grafana, providing instant insights and visualizations of system performance and reliability.

Jan 2019 – Jan 2022

**Software/Data Engineer** – [Chalkys.com](https://www.chalkys.com/) (Shopify)

- Developed a Django API for e-commerce operations (product catalog, order processing, customer interactions).
- Built an AI-driven recommendation algorithm, leveraging ML models to analyze user behavior, increasing upsell conversions by 25%.
- Designed an ETL pipeline, automating competitor price analysis & product data scraping.
- Integrated third-party payment solutions (PayPal) for secure transactions.
- Optimized database performance (PostgreSQL/MySQL) to improve query execution times.
- Fully revamped Shopify store to the latest Dawn theme, completely redesigning and rebuilding the frontend to significantly enhance user experience and performance

Jan 2024 - July 2024 - Freelance

**API Engineer** – Anglestack

- Developed serverless APIs using AWS API Gateway, Lambda, and DynamoDB to provide construction companies access to building data.
- Implemented authentication & role-based access control with AWS Cognito for secure API access.
- Built the frontend using React & Next.js, integrating AWS Amplify for deployment and scalability.
- Managed source control and CI/CD workflows using Bitbucket, ensuring efficient collaboration and deployment.

#### Key Achievements:

- Delivered a fully serverless API, minimizing infrastructure costs and maintenance overhead.
- Improved security and scalability using AWS Cognito, API Gateway, and Lambda.

---

#### Education and Professional Training

AWS Solutions Architect Certification – eCareers

AWS Cloud Practitioner Certification

Data Engineering Program – Ai Core

Shopify Course – SuperHi

BSc Engineering Mathematics – University of Bristol

#### Portfolio

Explore my projects and technical contributions at: [usmanbukhari.co.uk](https://usmanbukhari.co.uk)