

Faza Muhammad Billah

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CAREER OBJECTIVE

Aspiring DevOps/Cloud Engineer with 9+ years of project engineering experience transitioning to cloud infrastructure and DevOps practices. Proven expertise in process automation, system optimization, and cross-functional team coordination. Currently completing Cloud Resume Challenge Bootcamp (AWS & Azure) and DevOps program. Seeking to leverage project management background, technical problem-solving skills, and hands-on cloud/DevOps training to deliver scalable, automated infrastructure solutions.

TECHNICAL SKILLS

Cloud & DevOps (In Progress)

- Cloud Platforms: AWS (S3, CloudFront, Lambda, API Gateway, DynamoDB, Route 53, ACM), Azure (Storage, Functions, Cosmos DB, Front Door).
- Infrastructure as Code: Terraform, CloudFormation, Bicep, Ansible.
- DevOps Tools: Git, Docker, Kubernetes, Jenkins, CI/CD pipelines.
- Programming & Scripting: Python, JavaScript, React, Node.js, Bash scripting.
- API Development: RESTful APIs, Serverless architectures, FastAPI, LangServe.
- Monitoring & Logging: CloudWatch, Azure Monitor.
- Version Control: Git, GitHub, GitLab.

Data, Machine Learning, Project Management

- Data Analytics: Python (Pandas, NumPy), Excel (Advanced), Power BI, Google Looker.
- Machine Learning: TensorFlow 2.0, NLTK, LangChain, Huggingface, RAG with VectorDB.
- Project Management: Scrum methodologies (PSM II certified), JIRA, MS Project.

RELEVANT PROJECT PORTFOLIO EXPERIENCES

Cloud Personal Portfolio Website | Cloud Resume Challenge | 2025 (In Progress)

- Deploying multi-cloud resume websites across AWS, and Azure.
- Implementing Infrastructure as Code using Terraform, CloudFormation, and Bicep
- Building serverless visitor counter APIs with Lambda, Azure Functions, and Cloud Functions
- Configuring custom domain, SSL/TLS certificates, and CDN for optimal performance
- Automating deployments and managing cloud resources programmatically

SmartMCI - AI-Powered Corrosion Engineering Consultant | GitHub: [fazabillah/corrosion-AI-tools](https://github.com/fazabillah/corrosion-AI-tools) | 2025

- Developed intelligent assistant for Materials, Corrosion, and Integrity (MCI) engineering based on API 571, 970, and 584 standards
- Implemented RAG architecture using Pinecone vector database for semantic search across API documentation
- Integrated Groq API (Llama 3.1-8B) with LangChain framework for context-aware technical consultations
- Incorporated Tavily API for real-time web search integration and latest industry information
- Utilized HuggingFace embeddings for enhanced semantic understanding of technical documentation
- Stack: Python, Streamlit, LangChain, Pinecone, Groq API, Plotly, Pandas, HuggingFace

Contract Document Processing RAG Application | Personal Project | 2025

- Developed RAG-based document processing system for analyzing company contracts.
- Integrated Pinecone vector database for semantic search across large document repositories.
- Implemented NLP pipelines using LangChain and Huggingface models.
- Created automated data extraction workflows reducing manual review time by 60%.

Real Estate Data Analytics Project | GitHub: [fazabillah/Project_DA_RealEstate](https://github.com/fazabillah/Project_DA_RealEstate) | 2025

- Conducted comprehensive data analysis on real estate market trends using Python (Pandas, NumPy, Matplotlib, Seaborn)
- Stack: Python, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook, Statistical Analysis

Process Automation & System Optimization Projects | 2018

- Developed Excel-based tracking systems and dashboards improving project completion rates by 15-20%
- Created automated finance tracking dashboards reducing late invoice issuance by 20%

WORK EXPERIENCES

- Senior Project Engineer | AHT Syngas Technology N.V. | Germany

Apr 2025 - Present

Building workflows and standardized processes for complex infrastructure projects

Transferrable Skills:

1.DevOps pipeline automation and infrastructure orchestration.

2.Leading cross-functional technical teams through systematic deployment procedures mirrors the collaborative nature of DevOps culture where reliability engineers work across development, operations, and security teams.
- Senior Project Engineer | Ankaa Consulting Sdn Bhd | Malaysia

Oct 2023 – Mar 2025

Transformed manual, error-prone tracking processes into automated systems

Transferrable skills:

1. The same mindset needed for CI/CD pipeline development.

2. Coordinating 10 engineering disciplines shows how to orchestrate complex dependencies between services, similar to managing microservices architectures in cloud environments.
- Project Engineer/Commissioning Engineer | PETRONAS Carigali Sdn Bhd | Malaysia

Jan 2016 - Aug 2022

Managed high-stakes deployments where downtime meant millions in losses

Transferrable Skills:

1. Similar pressure to maintaining 99.99% uptime in production environments.

2. Built automation tools that increased team efficiency by 20%, proving my instinct to eliminate repetitive manual work through scripting and tooling.

3. Led systematic commissioning procedures with zero-defect tolerance, mirroring the rigorous testing and validation required in infrastructure-as-code deployments.

4. Coordinated distributed teams of 200+ across multiple platforms, developing the communication and collaboration skills essential for managing cloud resources across regions and teams.

CERTIFICATIONS & TRAININGS

CERTIFICATE:

1. Cloud Resume Challenge Bootcamp

| [ExamPro.Co](#)

| 2025
2. Generative AI & Machine Learning Bootcamp

| DTSense Academy

| 2025
3. Data Analytics Bootcamp

| DTSense Academy

| 2025
4. Business Intelligence with Google Looker

| DTSense Academy

| 2025

CERTIFICATION:

1. Azure Developer Associate (AZ-204)

| Microsoft

| In-Progress
2. Terraform Associate (004)

| HashiCorp

| In-Progress
3. Professional Scrum Master™ II (PSM II)

| Scrum.Org

| 2024

EDUCATION

Bachelor of Engineering (Hons) Civil | University Technology PETRONAS | Malaysia | 2015