

ABDULLAH MUKMIN BIN SHAMSULKAMAL

11, Jalan RP 8/8, Rawang Perdana, 48000 Rawang, Selangor, Malaysia

Email: abdullahmukmin93@gmail.com | Phone: +60 19-4023141

LinkedIn: [linkedin.com/in/abdullahmukmin](https://www.linkedin.com/in/abdullahmukmin)

GitHub: github.com/inimukmin

Portfolio: abdullahmukmin.com



PROFESSIONAL SUMMARY

Aspiring Cloud/DevOps Engineer with a background in Quality Assurance and a passion for cloud computing, automation, and web development. Hands-on experience with AWS services, CI/CD pipelines, infrastructure as code (IaC), and front-end technologies. Trained in troubleshooting, scripting, and implementing cloud best practices. **Seeking an entry-level Cloud/DevOps role** to leverage my cloud, automation, and web development skills to build scalable, efficient solutions.

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (SAA-C03)
- AWS Certified Cloud Practitioner (CLF-C02)
- Microsoft Certified: Azure Solutions Architect Expert (AZ-305)
- Microsoft Certified: Azure Administrator (AZ-104)
- ISC2 Certified in Cybersecurity (CC)
- Microsoft Power BI Data Analyst Associate (PL-300)

TECHNICAL SKILLS

- **Cloud Platforms (AWS):** EC2, S3, IAM, RDS, Lambda, VPC, CloudFront, Route 53, Elastic Beanstalk
- **Cloud Platforms (Azure):** Entra ID (Azure AD), Virtual Network, Storage, Virtual Machines, Azure Kubernetes Service (AKS), App Services, Functions, Monitor, Key Vault, Defender for Cloud, Sentinel, Azure Resource Manager (ARM)
- **CI/CD, IaC & Containers:** GitHub Actions, Docker, Terraform, AWS CloudFormation
- **Monitoring & Logging:** AWS CloudWatch, AWS Config
- **Scripting & Development:** Bash, Python
- **Networking & Security:** VPC, IAM, Security Groups, WAF
- **Version Control:** Git, GitHub
- **Operating Systems:** Linux, Windows

- **Quality & Compliance Standard:** IATF16949 (Automotive), AS9100 (Aerospace)
- **Front-End:** HTML, CSS, Tailwind CSS, JavaScript, React.js
- **Back-End:** Node.js, Express.js, REST API
- **Database:** MySQL, PostgreSQL
- **Design & Prototyping:** Figma

TECHNICAL PROJECTS

Cloud-Based Portfolio Website with CI/CD

- Developed a personal portfolio website using HTML, CSS, Tailwind CSS, and JavaScript.
- Implemented continuous integration and deployment via GitHub Actions for automated updates.
- Hosted the site on AWS S3 with Amazon CloudFront for global content delivery and caching.
- Configured Amazon Route 53 for custom domain management and DNS routing.

Three-Tier Web Application Deployment

- Designed and deployed a highly available, scalable web application on AWS with a three-tier architecture (presentation layer on Apache HTTP Server, application layer, and database layer on Amazon RDS MariaDB).
- Implemented Amazon VPC, EC2 instances, RDS database, and an Application Load Balancer (ALB) to ensure security, high availability, and load balancing.
- Configured IAM roles, security groups, and auto-scaling policies to optimize security and performance.

NCAA Game Highlights Automation

- Developed an automated pipeline to fetch and process NCAA game highlights from external sources.
- Utilized AWS Lambda for serverless data processing and Amazon DynamoDB for metadata storage.
- Set up a CI/CD workflow with GitHub Actions to automate deployment and updates.
- Implemented Amazon CloudFront for efficient content delivery and optimized Amazon S3 storage for video assets.

Containerized Sports API

- Built a containerized API service for real-time sports data, using Amazon ECS and API Gateway to integrate with an external sports data API.

NBA Data Lake

- Created an NBA analytics data lake using Amazon S3 (data storage), AWS Glue (ETL), and AWS Athena (interactive querying) to automate data ingestion and analysis.

Secure Access Configuration for Azure Workloads

- Configured a new virtual network (VNet3) and subnet in Azure's North Europe region and set up peering with VNets in West Europe for cross-region connectivity.
- Created and associated route tables (Route Table 1 for West Europe VNets, Route Table 2 for North Europe VNet) to control and secure network traffic.
- Set up a private DNS zone with auto-registration for seamless internal name resolution.
- Deployed an Application Security Group (ASG) and applied a Network Security Group (NSG) rule using the ASG to restrict inbound traffic to specific workloads.
- Implemented Azure Firewall rules to allow only authorized traffic for secure internet access to the application.

Secure Storage for Azure Files & Blobs

- Configured Azure storage for App1 with redundancy, encryption using managed keys, and secure access controls for blob containers and file shares.
- Set up a new storage account for App2 with long-term backup policies, data immutability, and private endpoint access to ensure secure connectivity.
- Managed replication and security settings across storage accounts, including IP-restricted access and enabled infrastructure encryption for compliance.

PROFESSIONAL EXPERIENCE

Senior Executive Technical (R&D) / Senior Executive Quality Assurance –

Fuji Seats (Malaysia) Sdn Bhd (April 2023 – Present)

- Coordinated new car model projects, managing timelines and requirements while facilitating part accuracy improvements and overseeing sample shipments to business partners (Fuji Seat Japan, Daihatsu/Perodua).
- Led parts localization initiatives to boost production efficiency and reduce costs.
- Conducted thorough investigations and simulations to identify root causes of product issues (appearance, function, measurement) across internal sites, suppliers, and customer locations.
- Prepared detailed Quality Problem Investigation Reports (QPIR) to address customer complaints, documenting findings and implementing corrective actions.
- Supervised QA lab inspections and audits, applying statistical tools to address process variations and ensure high process capability (Cp, Cpk).

- Generated business review presentations and monthly KPI reports (using Hoshin Kanri methodology) to communicate performance trends and drive continuous improvement.

Quality Assurance / Quality Control Engineer –

WSA Engineering Sdn Bhd (September 2021 – March 2023)

- Managed and updated comprehensive process documentation (incoming inspection reports, in-process quality control checklists, final inspection reports, control plans, PFMEAs, SOPs, etc.), ensuring all quality records were current and accessible.
- Led process improvement initiatives using quality tools (MSA, SPC, 7QC Tools, 4M analysis, 5-Why), which improved product consistency and reduced defects.
- Supervised quality control inspectors to maintain stable production processes, addressing sources of variation (common vs. special cause) and monitoring capability indices (Cp, Cpk).
- Completed formal training in quality management standards (IATF 16949:2016) and core methodologies (APQP, PFMEA, Control Plan, SPC, MSA, PPAP) to strengthen quality system implementation.
- Performed root cause analysis for quality issues using 7QC tools and data monitoring, implementing immediate fixes and long-term preventive measures.
- Managed the Quality Management System compliance program, coordinating certification, customer, and internal audits, and ensuring timely closure of all non-conformance reports.
- Prepared and presented concise quality reports (One-Page Reports, 8D, QPIR, AR) for major automotive clients (Proton, Perodua, Honda, Toyota), and coordinated with customers and suppliers on quality improvements.
- Trained quality inspectors and production operators through One-Point Lessons (OPL) and updated Operation Description Sheets (ODS) to standardize best practices.
- Maintained master reference samples (Master, Limit, Defect) for quality control and managed Temporary Adoption (TA) requests for process or material changes when necessary.
- Tracked and reported key quality metrics with daily rejection analyses, weekly review meetings, and monthly KPI dashboards to guide continuous improvement efforts.

Production Engineer – *Curge Advance Sdn Bhd* (August 2019 – April 2021)

- Developed and maintained production planning documents (machine capacity plans, work instructions, tool life matrices) and updated production floor boards with job order details (part numbers, quantities, due dates) for transparent workflow management.
- Prepared comprehensive Production Order packages (part drawings, program locations, quality checklists like COS/CCS, and inspection forms) to ensure the production team had complete and accurate documentation for each job.

- Coordinated material and tooling requests, ensuring all materials were properly labeled with corresponding Production Order (POF) numbers at designated machines.
- Oversaw machine setup and first-article inspections (FAI) to verify initial pieces met design specifications before authorizing full production, maintaining quality from the start.
- Monitored production performance, updating weekly waterfall charts for customers and tracking output, rejection rates, OEE, and OTD metrics for internal business reviews.
- Collaborated with management and customers to address production issues or delays, ensuring timely resolution and clear communication.
- Completed specialized aerospace quality training (APQP, FMEA, Control Plan, PPAP) and a Supplier First Article Inspection course (Spirit AeroSystems), serving as APQP team leader during new project launches.
- Contributed to multiple aerospace manufacturing projects (e.g., Spirit AeroSystems Wave 6; SAM 787 & C-Series; Senior Aerospace Wave 4 & A350 NEP; Emerson Seat Ring & Vonk), ensuring adherence to quality standards in all phases.
- Handled additional quality duties: responded to non-conformance and corrective action reports (NCPR, CAR, SDR), submitted AS9102B First Article Inspection reports to customers, and issued internal Quality Alerts to prevent repeat issues.

Junior Technical Engineer – Mestron Engineering Sdn Bhd (December 2018 – July 2019)

- Conducted technical presentations for customers to clarify product specifications and requirements.
- Gathered customer needs and prepared detailed technical proposals and submission documents.
- Provided ongoing technical support and advice to overseas customers to ensure successful product implementation.
- Authored and updated technical documentation, including product write-ups and installation/operation manuals.
- Assisted senior design engineers and performed various ad-hoc technical tasks to support project development.

EDUCATION

Full Stack Web Development Bootcamp (MERN Stack) –

KelasProgramming.com (Dec 2024 – Present)

- Intensive hands-on bootcamp focused on building web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js).

AWS re/Start Program – Amazon Web Services (Aug 2024 – Nov 2024)

- Completed a 12-week full-time cloud training program covering IT fundamentals, Linux OS, scripting (Python & Bash), and core AWS services (EC2, S3, IAM, VPC, Lambda, CloudFormation, RDS, Route 53).
- Gained practical experience configuring, monitoring, and supporting AWS environments, and honed the ability to communicate complex technical concepts to non-technical audiences.

Peneraju Teknologi Cloud Computing – Yayasan Peneraju (Feb 2024 – Aug 2024)

- Completed a 26-week part-time cloud computing course focused on Microsoft Azure with hands-on lab exercises and projects in designing, deploying, and securing Azure solutions.
- Worked with core Azure services (Azure AD, Virtual Networks, Storage, Virtual Machines, AKS, App Services, Functions, Monitor, Key Vault, Defender for Cloud, Sentinel, ARM) and solidified understanding of Azure architecture, scalability, and security best practices.

Bachelor of Engineering (B.Eng) in Aircraft Engine and Power Plants – Moscow Aviation Institute, Russia (2014 – 2018)

- Graduated with Second Class Upper Honors.