



# MD. ABU BAKAR SIDDIQUE

## DevSecOps Engineer

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### PROFESSIONAL SUMMARY

Versatile and highly technical IT Professional with extensive expertise spanning full-stack mobile development, cloud infrastructure (Oracle OCI/APEX), and offensive security. Proven track record in designing robust application architectures while simultaneously managing complex server environments (Linux/Windows/ESXi). Deep specialist knowledge in digital privacy, OSINT, and network vulnerability assessment. Adapt at bridging the gap between software engineering and system administration, offering a "one-stop" solution for enterprise-grade application deployment, security hardening, and infrastructure troubleshooting.

### TECHNICAL EXPERTISE

- Cloud & DevOps :** Oracle Cloud Infrastructure (OCI), Oracle APEX, Docker, CI/CD Pipelines, Virtualization (VMware ESXi, VirtualBox), Cloud Deployment.
- Offensive Security & Privacy :** Penetration Testing, Vulnerability & Risk Assessment, OSINT (Open-Source Intelligence) & Threat Intelligence, Digital Privacy & Data Protection Principles, Security Testing in Authorized Lab Environments, Automated Security Auditing (OpenBullet, Config Development), Secure Application Design.
- System Administration :** Windows Server (Active Directory, RDP Management), Linux Administration (Debian, Fedora, Arch), Server Hardening, Network Troubleshooting, DNS/DHCP Configuration.
- Software Development :** Flutter & Dart (Android & iOS), Clean Architecture (MVVM), State Management (Riverpod, GetX, Provider), RESTful API Design, Firebase (Auth, Firestore, FCM), SQL (MySQL, PostgreSQL).

### CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 DevOps Professional**
- Oracle APEX Cloud Certified Developer Professional**
- Oracle Cloud Infrastructure 2025 Certified Foundations Associate**
- Learn-A-Thon - CISCO**
- Ethical Hacker - CISCO**
- Junior Cybersecurity Analyst - CISCO**
- Network defense essentials - EC Council**
- Ethical hacking essentials - EC Council**
- Make In-House Hacking and Pen testing Lab - EC Council**
- Google Cloud Community Days India - GDG Cloud India**

## PROFESSIONAL EXPERIENCE

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### Information Technology Officer | Ministry of Home Affairs | Dhaka Sept 2022 – Present

- Manage and support critical IT infrastructure in a office environment
- Oversee secure server deployments and system availability
- Lead mobile application initiatives for internal and public services
- Implement security controls for data privacy, access management, and verification systems

### XML Programmer | Intellier Ltd. | Dhaka Aug 2022 – Sept 2022

- Optimized data structures and XML configurations for enterprise software solutions.
- Collaborated with cross-functional teams to streamline data exchange protocols.

### Quality Assurance Engineer (QA) | Vcube Soft And Tech | Dhaka Jun 2022 – Jul 2022

- Conducted manual and automated testing to ensure software reliability and security compliance.
- Identified vulnerabilities and performance bottlenecks in pre-production environments.

### Flutter Trainer | ICT Division, Bangladesh | Dhaka Sept 2021 – Dec 2021

- Trained aspiring developers in mobile app architecture, state management, and secure coding practices.

## KEY PROJECTS

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### 1 - SHARODIO SHUROKKHA APP

- **Strategic Architecture:** Architected a multi-tier incident response ecosystem connecting users, field responders, and intelligence units for real-time election security monitoring and rapid mobilization.
- **Intelligence & Analytics:** Implemented role based hierarchical "Observer Modules" (District/Divisional/Central) featuring live geospatial heatmaps and data-driven threat assessment tools for high-level decision support.
- **Tactical Operations:** Integrated GPS-based "Click-to-Call" responder directories and real-time field navigation, ensuring instant coordination between command centers and ground personnel.

### 2 - LOCATION FINDER

- Integrated BTS tower data on Google Maps
- Utilized MVVM structure and Riverpod architecture
- Managed and optimized large-scale API integrations, ensuring seamless functionality and performance
- Implemented Device IMEI binding and location sending
- Handled all server maintenance
- Deployed on both Google Play and Apple Store for cross platform support

### 3 - MARRIAGE & DIVORCE REGISTRATION SYSTEM

- Engineered a secure digital registry with NID (National ID) verification and OTP integration.
- Designed the backend logic for certificate generation and data retrieval.
- Ensured compliance with data privacy regulations regarding sensitive citizen information.

#### **4 - Enterprise Attack Detection Lab (Active Directory, Honeypots & SIEM)**

##### **Home Lab | Virtualized Environment**

- Designed and deployed a multi-VM enterprise security lab simulating a corporate network using Active Directory, Linux servers, and endpoint clients.
- Implemented an SSH honeypot (Cowrie) to capture real-world attacker behavior, including brute-force attempts and post-authentication command execution.
- Integrated honeypot and endpoint telemetry into Wazuh SIEM, enabling centralized log collection, alerting, and security monitoring.
- Simulated Active Directory attack scenarios, including password spraying and credential abuse, from an attacker machine in a controlled environment.
- Developed custom SIEM detection rules to identify brute-force attacks, suspicious command execution, authentication abuse, and potential privilege escalation.
- Mapped observed attacker techniques to the MITRE ATT&CK framework to align detections with industry-standard threat models.
- Conducted end-to-end attack detection and response simulations, producing incident timelines, indicators of compromise, and security recommendations.
- Documented lab architecture, attack scenarios, detections, and incident findings in a structured, audit-friendly format suitable for SOC workflows.

##### **Technologies:**

- **Wazuh SIEM, Active Directory (Windows Server), Cowrie Honeypot, Kali Linux, Ubuntu Server, Windows 10, MITRE ATT&CK, VirtualBox/VMware**

#### **EDUCATION**

##### **B.S.C. IN COMPUTER SCIENCE & ENGINEERING**

PASSING YEAR- 2021

##### **DAFFODIL INTERNATIONAL UNIVERSITY**

GPA- 3.33

##### **HIGHER SCHOOL CERTIFICATE**

PASSING YEAR- 2016

##### **CHUADANGA GOVT. COLLEGE, CHUADANGA**

GPA- 4.33

##### **SECONDARY SCHOOL CERTIFICATE**

PASSING YEAR- 2014

##### **V.J. GOVT. HIGH SCHOOL, CHUADANGA**

GPA- 4.94

#### **PROFICIENCIES**

##### **Quick Learner**

Ability to quickly adapt and learn new technologies effectively

##### **Effective Team Leader & Player**

Capable of leading teams and facilitating collaboration

##### **Reliable Professional**

Demonstrates punctuality and reliability in all tasks

##### **Multitasker**

Skilled multitasker able to manage multiple priorities simultaneously

#### **REFERENCE**