

ABDULLAH MOHAMMED

+61 433 263 047 ◇ Melbourne, VIC, Australia

abpatel1352@gmail.com ◇ linkedin.com/in/patelmohammedabdullah ◇ github.com/abpatel12

PROFESSIONAL SUMMARY

Cloud Engineer with hands-on production experience on Microsoft Azure — currently delivering cloud infrastructure and CI/CD automation for a live SaaS platform in Melbourne. Certified in Azure Administration (AZ-104) and Security Fundamentals (SC-900). Core strengths: Infrastructure as Code (Terraform, Bicep), containerisation (Docker, AKS, Helm), and CI/CD pipeline design (GitHub Actions, Azure DevOps) — with security built into the infrastructure layer from day one, aligned to Australian Privacy Act requirements. Backed by a published ML security research paper (96.78% detection accuracy, IJESR 2024) and a Master of Cybersecurity in progress at RMIT University on dual scholarship. Seeking part-time, graduate, or internship Cloud Engineering opportunities in Melbourne.

EDUCATION

Master of Cybersecurity RMIT University, Melbourne, VIC — 2025 – 2027 (In Progress)
Scholarships: RMIT Future Leaders Award & Telangana State Government Scholarship

Bachelor of Engineering, Computer Science & Engineering Osmania University, Hyderabad — 2020 – 2024

TECHNICAL SKILLS

- **Cloud Platform:** Microsoft Azure — App Services, Azure Functions, AKS, Azure SQL, Blob/Queue/Table Storage, Azure AD, Traffic Manager, Application Insights, ACR, Virtual Machines, VNet.
- **DevSecOps & CI/CD:** Azure DevOps, GitHub Actions, Terraform, Bicep, ARM Templates, SonarCloud, Git/GitHub.
- **Containers & Orchestration:** Docker, Kubernetes (AKS), Helm, Ingress controllers, Azure Container Registry.
- **Scripting & Development:** PowerShell, Bash, Python, Node.js, React.js, ASP.NET Core.
- **Security & Monitoring:** Azure Monitor, Log Analytics, Splunk SPL, Ghidra, NSG, Azure Key Vault, Azure Bastion, Azure RBAC, Australian Privacy Act compliance.

CERTIFICATIONS

- **Microsoft Certified: Azure Administrator Associate (AZ-104)** — Achieved July 2026 [\[Verify\]](#)
- **Microsoft Certified: Security, Compliance, and Identity Fundamentals (SC-900)** — Achieved June 2026 [\[Verify\]](#)
- AI Skills Fest 2026 | Cybersecurity Fundamentals Certificate
- Job Simulations: ANZ Cyber Security Management, Deloitte Australia Cyber (Forage)

PROFESSIONAL EXPERIENCE

Cloud Engineer (Part-time Contract) *April 2026 – Present*
MACC IT Solutions · Melbourne, VIC

- Design, deploy, and operate production Azure infrastructure for a commercial SaaS platform — serverless functions (HTTP, Timer, Queue triggers) processing 1,000+ automated tasks daily, backed by PostgreSQL and Blob Storage.
- Build end-to-end CI/CD pipelines across GitHub Actions and Azure DevOps; author reusable Terraform and Bicep IaC modules, cutting environment provisioning from hours to under 15 minutes.
- Integrate payment and communication APIs with encryption-at-rest and Australian Privacy Act compliance controls, enforced at the infrastructure layer.
- Primary Cloud engineer on the project — responsible for infrastructure decisions across compute, storage, security, and deployment automation.

Cyber Security Intern *August 2025 – January 2026*
Slash Mark IT Solutions (OPC) Pvt Ltd, Remote

- Performed static malware analysis on a Delphi-compiled Windows binary using Ghidra's disassembler, decompiler, and control flow graph tools — documented 11 Indicators of Compromise (IoCs), including suspicious API calls and hardcoded persistence paths.
- Ran Splunk SPL queries across 50GB+ of security event data to surface anomalies; delivered vulnerability detection and remediation tasks across a structured 6-month programme.

IT & Administrative Assistant *June 2024 – July 2025*
SS Patel Group, Hyderabad, India

- Designed and deployed a full-stack company website (React.js + Node.js), improving digital accessibility and reducing manual client communication overhead.
- Managed sensitive client records under confidentiality protocols — early exposure to data privacy practices now applied to Privacy Act compliance work.

- Deployed a cloud-hosted portfolio with custom domain, DNS, HTTPS/SSL, and automated content delivery; awarded Certificate of Completion for on-time delivery.

KEY PROJECTS

Intrusion Detection System using Machine Learning

Python, Scikit-Learn, PCA, Random Forest

- Developed an ML-based IDS using PCA dimensionality reduction and Random Forest classification, achieving 96.78% detection accuracy on DDoS traffic — outperforming SVM and Naive Bayes baselines. **Published:** [IJESR Journal \(2024\)](#).

Microservices & Containerisation on AKS

Docker, Kubernetes, Helm, ACR, Azure DevOps

- Deployed 10+ containerised microservices to Azure Kubernetes Service achieving 99.9% availability; optimised Docker images via multi-stage builds and automated build → push → deploy through Azure DevOps pipelines.

SIEM Log Analysis — Splunk

Splunk SPL, Dashboards, Automated Reporting

- Analysed 50GB+ of security event data to identify DDoS and lateral-movement patterns; built dashboards improving incident detection speed by 35% and saving 10+ hours of manual review per week.

Full-Stack Azure Web App — Employee Management System

React.js, ASP.NET Core, Azure SQL, Key Vault

- Provisioned full Azure infrastructure from scratch and configured three independent Azure DevOps CI/CD pipelines; secured all credentials in Azure Key Vault, eliminating hardcoded secrets across pipelines.

Infrastructure Automation & Monitoring

Terraform, ARM Templates, Azure Bastion, Application Insights

- Authored reusable Terraform modules with remote state management, cutting environment provisioning time from hours to under 15 minutes; provisioned VMs, App Services, Storage, and networking resources.
- Deployed Azure Bastion and Traffic Manager via ARM templates for secure remote access and global traffic routing; integrated Application Insights for real-time performance monitoring.

Cloud Networking & Security

Azure VNet, NSG, Bastion, Load Balancer, Traffic Manager

- Configured Virtual Networks, Network Security Groups, and Bastion hosts with least-privilege access controls and private subnet isolation; implemented Load Balancer and Traffic Manager for high-availability, multi-region routing.

Automated CI/CD & Static Azure Web Hosting

Azure Blob Storage (\$web), Azure DevOps, Node.js, React.js

- Engineered an automated CI/CD build pipeline in Azure DevOps with Node 18.x dependency and runtime builds, deploying directly to Azure Static Website Hosting with custom SPA routing configuration.

Further projects (static malware analysis writeups, additional automation work) available on GitHub: github.com/abpatel12