

MUHAMAD AIZAD AMER BIN AHMAD TAUFIK

Platform and DevOps Engineer (CKA)

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SUMMARY

CKA-certified platform engineer with 3 years of production experience across telecom billing, semiconductor manufacturing, and enterprise software. Hands-on with Kubernetes, Helm, Docker, CI/CD, Linux, and Python in remote, cross-functional teams since 2022. Currently deploys and supports cloud-native telecom platforms at Matrixx Software. Combines infrastructure depth with a developer background (Python, C++, REST APIs) to troubleshoot production issues, validate integrations, and improve deployment reliability. Seeking remote DevOps, Platform Engineering, or Cloud Engineering roles.

CERTIFICATIONS

Certified Kubernetes Administrator (CKA)	The Linux Foundation	2025
Certified DevOps Foundation	CCSD Council	2025

TECHNICAL SKILLS

Platform	Kubernetes (CKA), Docker, Helm, AWS (EKS, ECR, VPC), GCP, Linux (Ubuntu, RHEL), Windows Server
CI/CD	GitHub Actions, Git, CI/CD pipelines, Terraform, Ansible, YAML, configuration management
Languages	Python, C++, C#, REST API, Postman, JSON, FastAPI
Observability	Prometheus, Grafana, RabbitMQ, production troubleshooting, incident response
Practices	Remote collaboration, technical documentation, cross-functional delivery, go-live support

PROFESSIONAL EXPERIENCE

Trainee Technical Consultant | Matrixx Software

Apr 2025 - Present | Remote

Cloud-native telecom billing platform - Kubernetes production deployments, REST API integration

- Deployed and supported Kubernetes production configurations for a cloud-native telecom billing platform - supporting 3+ production go-lives and deployments aligned with solution architecture, performance targets, and availability requirements.
- Validated 20+ REST API integrations with Postman across MATRIXX platform components - verifying endpoint behavior, payload integrity, and cross-component correctness before production release.
- Resolved technical issues across the full delivery lifecycle (implementation -> production deployment -> go-live -> warranty) - coordinating fixes between platform engineers and customer teams during live production windows.
- Advised project managers on CI/CD readiness, infrastructure dependencies, and deployment risks prior to production cutover - surfacing blockers early and reducing last-minute deployment delays.
- Executed environment validation, configuration management, and stability verification during platform-to-production transitions - ensuring deployment consistency across staging and production clusters.

Software Developer | Wolfsped

Apr 2024 - Apr 2025 | Remote

Production software for semiconductor wafer test systems - high-availability manufacturing

- Built and maintained production Python and C++ applications for semiconductor wafer test systems on Linux and Windows - supporting 24/7 high-availability manufacturing operations.
- Owned end-to-end SDLC (requirements -> design -> coding -> code review -> validation testing) for wafer test software in a 24/7 fab environment - delivering production-ready releases on schedule.
- Integrated automated data collection and process monitoring into wafer test workflows - improving yield visibility and enabling continuous improvement for manufacturing engineering teams.
- Resolved critical production defects under uptime pressure - preventing 20+ minutes of unplanned fab downtime per incident and maintaining operational continuity for wafer test systems.

System Software Development Engineer | Intel

May 2022 - Mar 2024 | Remote

Cross-platform validation, backend automation, and enterprise tooling

- Built a web-based backend for automated test content distribution - reducing distribution time from ~2 hours to ~10 minutes and eliminating manual file transfers for distributed validation teams.
- Integrated automated diagnostic scripts into Linux and Windows validation workflows - increasing diagnostic throughput and reducing manual test execution across cross-platform environments.
- Installed and maintained enterprise tooling stack (RabbitMQ, Erlang, Visual Studio) across multi-platform lab

environments - supporting backend automation and integration testing pipelines.

- Executed feature testing, integration validation, and QA across distributed remote teams - identifying defects pre-release in cross-platform validation pipelines.

PROJECTS

Platform Ops Demo - Cloud-Native Billing Platform

Personal | 2025

github.com/mrmeow98/platform-ops-demo

- Architected a cloud-native telecom billing platform (FastAPI, PostgreSQL, RabbitMQ, Docker multi-stage builds) - demonstrating production-style microservices for DevOps and Platform Engineering interviews.
- Packaged services with Helm charts (deployments, services, health probes, multi-replica configs) and provisioned AWS infrastructure with Terraform (VPC, EKS, ECR) - automated end-to-end deploys via GitHub Actions CI/CD.
- Implemented Prometheus metrics, Grafana dashboards, and Postman automated API tests - demonstrating observability and integration testing for cloud-native operations.

EDUCATION

B.E. Electrical and Electronics Engineering - Instrumentation and Control

CGPA 3.16

Universiti Teknologi PETRONAS | Sep 2017 - Jan 2022

YUTP Education Grant recipient (2018) | Head of Department, ASEAN Student Forum (2019) | 3rd place, International Advanced Robotics Competition (2020)