Ariff Azman

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Skills

- **Infrastructure Management**: Terraform, CloudFormation, Ansible, VMware, Proxmox, Hyper-V, AWS, Azure, GCP
- **Platform Engineering**: Docker, Kubernetes, Helm, Argo CD, GitLab CI, GitHub Actions, Jenkins, TeamCity, Azure DevOps
- **Observability & Reliability**: Prometheus, Grafana, InfluxDB, Telegraf
- **Automation**: PowerShell, Bash, Python, JavaScript, Git, SVN, Perforce

Work Experience

Ammobox Studios · **Selangor**
DevOps Lead · Sep 2022 — Present

- Automated build agent setup for Windows and Linux servers for consistent environments eliminating manual configuration
- Enabled automated, traceable source engine build testing by embedding an idempotent environment setup within CI/CD
- Accelerated development lifecycle by 90% by designing modular and agnostic CI/CD pipelines for 8 projects
- Reduced release cycle time by 70% by automating the overall release processes for 8 games on Steam Store and Epic Game Store
- Converted manual API deployment processes into automated workflows integrated with IaC tools, ensuring consistency and reliability
- Standardized cloud resources across 5 projects by reusable Terraform modules for AWS enabling code reuse and maintainability
- Developed a scalable Unreal Pixel Streaming infrastructure on AWS to decrease EC2 allocation time and minimize operational costs
- Incorporated automatic build error alerts for all projects proactively notifying developers of issues, reducing debugging time
- Enforcing cloud native best practices in security for AWS IAM roles and policies ensuring least privilege access and compliance
- Integrated symbol uploading for 6 projects to crash and error reporting tool via CI/CD, enabling faster and accurate debugging
- Implemented single sign on setup with OAuth2 for internal services allowing secure and seamless access for developers
- Increased cloud resources management efficiency by 80% by developing a multi-tenant automation tool with ElectronJS
- Expedited developer onboarding by managing repository setup and user access for SVN, Perforce, and Git version control systems
- Eliminated local compilation needs saving developers' time by distributing development binaries through CI/CD pipeline

Exxon Mobil Corporation · **Kuala Lumpur**
Automation Engineer · Sep 2021 — Sep 2022

- Migrated production API from cloud to on-premise solutions achieving 100% uptime and maintaining operational continuity
- Reduced manual Azure AD configuration steps and potential errors by 95% by scripting role assignments with developed scripts
- Achieved 100% API test coverage and reliability by integrating automated API tests into CI/CD pipeline
- Simplified client application onboarding and adoption by 90% through the creation of comprehensive API documentation
- Optimized storage usage by developing API automation to manage and prevent unintended removal of orphaned business content

Petronas Digital · **Kuala Lumpur**
Infrastructure Engineer · Sep 2018 — Sep 2021

- Optimized compute delivery time by automating provisioning and hardening eliminating manual configuration errors
- Reduced disaster recovery completion time by 93% by automating ESXi host, storage, and VM recovery processes using developed scripts
- Increased infrastructure management accuracy and ease of use to 100% by developing custom scripts for bulk resource operations
- Secured 99% uptime by integrating the on premise hypervisor with automated ESXi host configuration management preventing errors
- Removed orphaned compute resources safely and efficiently by automating the housekeeping and updates of the master inventory
- Automated 100% of daily infrastructure health checks, enabling proactive monitoring and faster issue resolution for 1000+ resources

Volunteering

Ammobox Studios · Jan 2024 — Jan 2024
Speaker

Technical Summit

- Advocated for mindset shifts around automation, highlighting its role in scaling operations, reducing toil, and enabling developer productivity

Level Up KL · Sep 2023 — Sep 2023
Speaker

DevOps For Indies

- Shared knowledge and best practices in DevOps for indie game developers, focusing on automation, CI/CD, and cloud infrastructure

Education

Universiti Tenaga Nasional · Sep 2014 — Sep 2017
Bachelor of Computer Science

- Full Scholarship Recipient (2014 – 2017)
- Dean's List Honor (2014 – 2016)
- Gold Award – ICT Research Competition (2017)
- Second Runner-Up – Pro-C Programming Competition (2015)
- Certified Professional Requirements Engineering Participant (2015)
- Secretary – Global Outreach Program to Tokyo (2016)