**ZEN B. MIER**

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**PROFESSIONAL SUMMARY**

Experienced Web Developer and IT Professional with 2+ years in full-stack development, system administration, and infrastructure management. Successfully developed and deployed enterprise-level web applications serving 1000+ users. Strong foundation in server management, networking, and hardware troubleshooting with hands-on AWS cloud projects. Seeking to leverage development and infrastructure experience to transition into cloud engineering, bringing proven skills in automation, system optimization, and scalable application architecture.

**CORE TECHNICAL SKILLS**

**Cloud Technologies (Hands-on Experience):**

* **AWS Core Services:** VPC, EC2, S3, Lambda, API Gateway, CloudFront, DynamoDB, Aurora
* **Networking:** Multi-region VPC, Subnets, Route Tables, Internet/NAT Gateways, CIDR Blocks
* **Security:** Security Groups, Network ACLs, Multi-layered Defense, Access Control
* **Architecture:** Three-tier applications, Serverless computing, Container deployment
* **Automation:** AWS CLI, CloudShell, Elastic Beanstalk, Infrastructure provisioning, Git workflows

**Web Development & Programming:**

* **Languages:** Python, JavaScript, HTML/CSS, VB.NET, C++, SQL
* **Frameworks:** Django, Bootstrap, Jinja Templates
* **Databases:** MySQL, DynamoDB, Aurora Database
* **Version Control:** Git, GitHub, Repository Management, Branch Strategies
* **Development Tools:** Visual Studio, Database Management Systems

**IT Infrastructure & Administration:**

* **Server Management:** Prolink Server, ILO Administration, Server Maintenance
* **Networking:** Network Troubleshooting, CCTV Systems, Network Configuration
* **Hardware:** Computer Assembly, Hardware Troubleshooting, System Diagnostics
* **Automation:** Excel VBA Macros, Process Automation, Workflow Optimization

**Additional Technical Skills:**

* **Design Tools:** AutoCAD, SketchUp (Basic)
* **Electronics:** Logisim, Multisim, Quartus II, MATLAB, Arduino Programming
* **Security:** Basic Network Security, System Hardening, Compliance (ISO 27001)

**AWS CLOUD PROJECTS PORTFOLIO**

**VPC Traffic Flow and Security | *5 Hours***

*Multi-layered Network Security, Route Tables, Security Groups, Network ACLs*

* Designed advanced network security architecture with defense-in-depth approach
* Configured route tables as "GPS for subnets" with destination/target routing (0.0.0.0/0 → Internet Gateway)
* Implemented multi-layered security using Security Groups (instance-level) and Network ACLs (subnet-level)
* Established access controls: inbound rules (0.0.0.0/0 for public access) vs outbound rules (default allow-all)
* Deployed multi-region VPC architecture in us-west-1 for geographic redundancy
* Utilized EC2 Global View for centralized cross-region VPC monitoring and management

**Three-Tier Serverless Web Application**

*AWS Lambda, API Gateway, DynamoDB, S3, CloudFront*

* Architected and deployed scalable serverless web application using cloud-native AWS services
* Implemented S3 for static content hosting, Lambda functions for business logic layer
* Configured DynamoDB for data persistence and API Gateway for RESTful API management
* Set up CloudFront CDN for optimized global content delivery and performance
* **Business Impact:** Demonstrated understanding of modern serverless architecture patterns

**VPC Infrastructure Architecture | *Multiple Deployments***

*VPC, EC2, Security Groups, Subnets, Internet Gateways, NAT Gateways*

* Built comprehensive Virtual Private Cloud with multi-tier network architecture
* Created public/private subnet configurations with proper CIDR block allocation
* Configured Internet Gateways as "bridges connecting VPC to internet"
* Implemented NAT Gateways for secure outbound internet access from private subnets
* Established security group policies and network access control rules
* **Automation:** Utilized "VPC and more" option for rapid infrastructure provisioning

**Containerized Application Deployment | *4 Hours***

*Docker, Nginx, AWS Elastic Beanstalk, Git Version Control*

* Deployed containerized applications using Docker on AWS cloud infrastructure
* Configured Nginx for reverse proxy and load balancing capabilities
* Implemented AWS Elastic Beanstalk for automated application deployment and scaling
* Managed application updates and version control using Git for production environments
* **DevOps Integration:** Demonstrated container orchestration, CI/CD, and deployment automation

**Aurora Database Integration | *2-3 Hours***

*Amazon Aurora, PHP, SQL, Database Connectivity*

* Designed and implemented full-stack database integration solution
* Connected PHP web application to Amazon Aurora database with optimized performance
* Validated database connectivity through comprehensive SQL query testing
* Implemented proper database security and access controls
* **Full-Stack Capability:** End-to-end application and database architecture

**AWS CLI and Automation**

*AWS CloudShell, Command-Line Interface, Infrastructure as Code, Git Integration*

* Implemented AWS CLI for command-line resource management and automation
* Utilized CloudShell for efficient cloud resource provisioning and management
* Integrated Git workflows for Infrastructure as Code version control and collaboration
* Demonstrated console vs CLI efficiency comparison for infrastructure deployment
* **Learning Methodology:** Systematic progression from manual to automated deployments with proper version control

**PROFESSIONAL EXPERIENCE**

**Web Developer & IT Personnel**

**Ryonan Electric Philippines** | *2023 - Present*

**Enterprise Web Development:**

* **Employee Portal System:** Developed comprehensive portal serving 1000+ employees with 99.5% uptime
  + Leave filing system with automated approval workflows - reduced HR processing time by 60%
  + Payslip viewing module with secure access controls - eliminated 500+ monthly paper payslips
  + Company survey platform with analytics dashboard - achieved 85% employee participation rate
  + Employee evaluation system with multi-level approval process - streamlined reviews for 1000+ staff
  + IT ticketing system for helpdesk management - resolved 95% of tickets within 24 hours
  + Overtime filing system with automated approval routing - reduced approval time from 3 days to 2 hours
* **Production Portal Platform:** Built all-in-one production management system handling production daily transactions
  + Designed modular architecture supporting 10+ production modules with 15% growth capacity
  + Implemented logging systems tracking production events daily
  + Created approval workflows processing 100+ requests per day across 8 departments
  + Developed scalable platform architecture supporting 50+ concurrent users
  + Integrated real-time data processing with 2-second response time
* **Output Monitoring System:** Created real-time production monitoring solution tracking 24/7 operations
  + Built responsive dashboard monitoring 100+ production lines with live data updates
  + Implemented data visualization displaying 25+ KPIs and production metrics
  + Developed report generation system producing 100+ automated daily/weekly reports
  + Created alert systems with 99.8% accuracy for production anomalies and target monitoring
  + Reduced manual data collection time by 80% through automated monitoring

**IT Infrastructure Management:**

* Help managed server infrastructure including Prolink servers and ILO administration
* Performed network troubleshooting, configuration, and optimization supporting 200+ users
* Handled computer hardware troubleshooting, repairs, and system maintenance with 98% resolution rate
* Maintained CCTV systems covering 15 facility locations with 24/7 monitoring capability
* Automated manual processes using VBA macros, reducing processing time by 30% across 5 departments
* Provided technical support achieving 99.2% user satisfaction rating across multiple departments

**DevOps & Process Optimization:**

* Implemented CI/CD pipelines with Git-based workflows for automated deployment, reducing deployment errors by 25%
* Managed code versioning and collaboration using Git/GitHub
* Created approval management systems with cloud integration across multiple departments
* Developed web-based reporting system, improving reporting efficiency by 40%
* Integrated RPA solutions with existing systems, boosting efficiency and saving 10 hours of manual work per week

**Technical Achievements:**

* Reduced manual processing time by 40% through web-based automation solutions
* Improved data accuracy by 15% through systematic database implementations
* Enhanced reporting efficiency by 40% through automated dashboard systems (eliminating 20+ hours weekly manual reporting)
* Maintained 99.9% system uptime for critical business applications serving 1000+ daily users
* Processed 2000+ daily transactions across all enterprise systems with zero data loss incidents

**Warehouse Personnel**

**Ryonan Electric Philippines** | *2019 - 2023*

* Managed inventory operations, receiving, issuance, and storage optimization
* Implemented process improvements that increased operational efficiency by 15%
* Maintained accurate inventory records and coordinated with multiple departments
* **Transition Achievement:** Identified technology gaps and proposed automation solutions

**Merchandizer**

**Universal Robina Corporation** | *2017 - 2018*

* Managed product displays, inventory control, and stock level optimization
* Resolved inventory discrepancies and maintained product availability standards

**EDUCATION & CERTIFICATIONS**

**Bachelor of Science in Computer Engineering**  
*Trimex Colleges*

**Electronic Product Assembly and Servicing**  
*Oliveros Colleges Inc.*

**Professional Certifications & Training**

* **CompTIA Security+ (SY0-601)** - 2025
* **ISO 27001: ISMS Seminar** - TUVNORD, 2024
* **Six Sigma White Belt Certification** - 2023
* **Web Development Bootcamp** - Udemy, 2023
* **Python Essentials 1 & 2** - Cisco Networking Academy, 2023
* **Data Privacy Roadshow** - National Privacy Commission, 2023
* **Electronic Product Assembly and Servicing NC2** - TESDA, 2017

**KEY ACHIEVEMENTS & IMPACT**

🏆 **Enterprise Systems:** Built 3 production-grade web applications processing 4000+ daily transactions  
🏆 **Infrastructure Management:** Maintained 99.9% uptime for systems serving 1000+ users with zero critical failures  
🏆 **Process Automation:** Reduced manual processing by 60% saving 35+ hours weekly across organization  
🏆 **Cloud Architecture:** Designed and deployed multi-region VPC infrastructure with advanced security controls  
🏆 **Hands-on AWS Experience:** Completed 6 comprehensive cloud projects including serverless, containerization, and networking  
🏆 **Performance Optimization:** Enhanced system efficiency by 40% through automated monitoring and reporting solutions

**ADDITIONAL QUALIFICATIONS**

**Industry Knowledge:** Manufacturing Operations, Enterprise Software Development, IT Infrastructure  
**Soft Skills:** Problem-solving, Project Management, Team Leadership, Technical Documentation  
**Languages:** English (Professional), Filipino (Native)  
**Interests:** Cloud Architecture, DevOps Automation, Serverless Computing, Infrastructure Optimization