

Dennis Philippe T. Pereyra Jr.

SRE / DevOps / Platform Engineer

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SUMMARY

I have developed applications that act on a realtime manner involving continuously incoming data streams. I also have experience designing and setting up a fault tolerant, distributed, and secure infrastructure. I have done development workflows redesign ie integrating CI/CD and containerization as well. I can work on data analytics particularly with natural language processing and audio data processing. I can also setup database warehouse systems to store large data and make it so that data retrieval speeds are relatively fast provided I have access to the application code as well.

SKILLS

Software Development

Python · Javascript · Typescript ·
Git · Microservices · ReST ·
GraphQL

Databases

PostgreSQL · MySQL · SQLite ·
Redis · Cassandra ·
Elasticsearch · DynamoDB ·
CosmosDB · MongoDB

Cloud Technology

AWS · Azure · GCP · Netlify

Infrastructure as a Code

Terraform · ARM / Bicep ·
CloudFormation · Spacelift

HTTP Servers/Proxies

Apache HTTP · Nginx · HAProxy ·
Squid

Kubernetes Based Applications

Argo · Flux · Istio ·
Cert Manager · Kiali · Kyverno ·
KEDA

Monitoring

Promstack · ELK Stack · Jaeger ·
Dynatrace · New Relic ·
OpsGenie · PagerDuty · Sentry

Containers and Orchestration

Kubernetes · Openshift · Nomad ·
Docker · Packer

Linux Administration

RHEL · Debian · Ubuntu ·
Ansible · Chef

Scripting

Python · Bash · Powershell

Continuous Integration

Azure DevOps · Jenkins ·
Gitlab CI · Github Actions

Message Queues

RabbitMQ · Kafka ·
Azure Service Bus · AWS SQS

AI/LLM/Agents

Github Copilot · OpenAI Codex ·
Claude Code · AGENTS.md

WORK EXPERIENCE

Senior DevOps Engineer at 3Cloud

Mar 2025 - Current

- Setup and migrate from Gitpod to ONA ensuring 0 downtime from developer productivity
- Support integration of Agentic AI in dev workflow increasing story completion in a sprint by 20%

- Manage and maintain github action pipelines
- Manage and maintain the Azure infrastructure
- Automate deployments using github action
- Help in setting up monitoring and alerting

Senior DevOps Engineer at Simcorp

Aug 2024 - Jan 2025

- Integrate Snowflake data marketplace to product offering
- Help launch Qlik offering to production
- Modernize python scripts for managing vm images
- Manage and maintain the Azure infrastructure
- Automate deployments using ADO
- Help in setting up monitoring and alerting
- Update and streamline group workflows
- Update outdated tools and libraries used in automation

Senior SRE at Recruitics / Doxa

Feb 2024 - Jul 2024

- Manage and maintain the AWS infrastructure either via Jenkins, Bitbucket Pipelines, and/or ArgoCD
- Maintain software quality and security by ensuring all releases are checked by sonar and/or trivy
- Assist in application deployments and production issues
- Help in setting up monitoring and alerting
- Configure and setup automation and pipelines
- Help DevSecOps in the maintenance of secret rotation as well as vault cluster management
- Help migrate github actions to bitbucket pipelines
- Audit alerts to ensure only critical and necessary notification are sent to correct slack channels
- Assist development teams in upgrading tools, packages, systems, and/or programming languages from sunsetted versions
- Support applications: Terraform, Python, Serverless Framework, AWS EKS, AWS EC2, AWS RDS, Hadoop, ELK Stack, PromStack, OpsGenie

Senior Platform Engineer at Manulife

Feb 2022 - Jan 2024

- Manage, maintain, and deploy services to Azure kubernetes via Jenkins
- Ensure code is checked by security and code quality tools: Snyk and SonarQube
- Identify, investigate, and resolve potential issues for releasing applications to production
- Help identify, investigate, and resolve security problems
- Migrate stack from on-premise cloud foundry to Azure
- Plan and document procedure for performing disaster recovery, operational resiliency audit, and incident management
- Ensure integration to monitoring systems are working: Prometheus, Kiali, Jaeger, Grafana, Devo, New Relic
- Coordinate with relevant business partners and raise service request when needed
- On call support for incidents and perform documentation, remediation, and coordination
- Create audits of system states and manuals for operations tasks
- Provide training and knowledge sharing for rest of team

- Programming languages used by backend developers: typescript
- Supporting applications: Terraform, Azure Synapse, Azure CosmosDB, Azure Functions, Istio, FluxCD, Prisma/Twistlock, Cert Manager

Senior DevOps Engineer / Site Reliability Engineer at ING
Business Shared Services

Nov 2019 - Feb 2022

- Manage, maintain, and deploy services to openshift/kubernetes via Azure DevOps Pipelines
- Identify, investigate, and resolve potential issues and performance bottlenecks
- Help identify, investigate, and resolve security problems
- Migrate stack from on-premise to public cloud: Azure / AKS / ARM
- Perform disaster recovery, operational resiliency audits, and incidents management
- Maintain monitoring systems: ELK / Grafana / Prometheus / Kafka / PagerDuty
- Coordinate with relevant business partners and raise service request when needed
- On call support for incidents and perform documentation, remediation, and coordination
- Create audits of system states and manuals for operations tasks
- Provide training and knowledge sharing for rest of team
- Develop applications/scripts for operations efficiency: python, bash, powershell
- Programming languages used by backend developers: python, go, java
- Additional applications: FIS Profile, MSSQL, SSRS, VMWare, F5, RHEL7, Prisma/Twistlock
- Supporting applications: Terraform, Ansible, Consul, Vault, Nginx, Squid, Cassandra, eBPF

Freelance - DevOps at mClinica

Mar 2019 - May 2019

- Migrate services from azure to gcp
- Provide guidance/advice on database design/architecture as well as dockerizing applications

Freelance - BackEnd Development / DevOps at DigitalTolk

Dec 2017 - Nov 2018

- Develop a realtime application with NLP capabilities involving audio and language analysis
- Application development involved python with asyncio, grpc, gunicorn, 0mq, nats, asgi, pydub, textblob, polyglot, and spacy
- Application development approach was to use actor model design
- Also includes tasks in upgrading current azure infrastructure implementing containerization, high availability, and security
- Setup the base docker images for applications using packer with ansible
- Security integrations involved placing a bastion gateway, implementing fail2ban, and adding rate limiting
- Implement a clustered/fault tolerant setup for redis, elasticsearch, nomad, consul, traefik, and mariadb
- Use terraform and ansible to automate azure infrastructure upgrade and deployment

Senior BackEnd Developer / Senior DevOps Engineer at CBO
(Complete Business Online)

Nov 2016 - Dec 2017

- Develop, support, and optimize on a general level across all products and applications
- Manage and maintain the AWS cloud stack: ELB, SQS, Lambda, DynamoDB, Opsworks, SNS, Cloudwatch
- Provide training and knowledge sharing for rest of team

- Additional technologies handled: Google Analytics

Freelance - BackEnd Development at Juwai

Jun 2016 - Nov 2016

- Develop and maintain backend applications and services
- Identify, investigate and resolve potential
- Additional technologies involved are AWS SQS, MySQL, and ZeroMQ

Freelance - BackEnd Development at Glyphstudios

Jun 2016 - Nov 2016

- Develop voice/sms applications integrated with Asterisk and to telecommunications partners
- Troubleshoot and make recommendations for any problems and issues
- Aid in optimizing performance of existing voice/sms applications with high load and traffic

Freelance - BackEnd Development at APPone

Jun 2016 - Nov 2016

- Manage and maintain database as well as create relevant scripts and schemas
- Develop backend applications
- Troubleshoot and make recommendations for any problems and issues with frontend integration

Freelance - Database Development at Harte Hanks

Oct 2013 - Aug 2014

- Manage and maintain multiple databases as well as help in merging them to a single database
- Coordinate with relevant parties and develop scripts for transforming data from database

OSS and Database Engineer at Aircom / Nokia

May 2008 - Aug 2013

- Develop applications/scripts for telecommunications data processing and reporting
- Setup and maintain a data warehouse for telecommunications data
- Perform OSS network modification, monitoring, maintenance, and troubleshooting
- Extract and process data from OSS network for analysis

EDUCATION

Bachelor's Degree Electronics and Communications Engineering at Mapua Institute of Technology

Jan 2002 - Jan 2006

CERTIFICATES

Licensed Electronics and Communications Engineer Philippines Professional Regulation Commission

Apr 2007

LANGUAGES

English

Filipino