

Prasad Domala

Cloud Solutions Architect | Lead Cloud & DevOps Engineer

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Australian Citizen — full work rights, eligible for security-clearance roles | Available from 16 November 2026

PROFESSIONAL SUMMARY

Cloud solutions architect and DevOps lead with 20 years in IT and the last decade in AWS. I am currently the sole architect and technical authority for a Sony-acquired e-sports platform, where I designed and built the entire AWS estate behind 300k+ monthly active users and 40k+ tournaments a month, and lead a team of five engineers. My work runs from architecture and migration strategy down to the CDK, Terraform and pipelines that make it real — serverless and microservices design, zero-downtime database and streaming migrations, multi-account governance, and the FinOps discipline that has taken six figures out of cloud and licensing bills. I have led migrations at scale before: 3,000+ workloads at Virgin Australia and a 100+ server middleware estate at BBC Capita. I hold 12 AWS certifications, including Solutions Architect Professional and DevOps Engineer Professional, and I am an AWS Community Builder. Open to Cloud / Solutions Architect and Lead Platform roles, permanent or contract.

SELECTED ACHIEVEMENTS

- Designed and built an entire production AWS landscape from scratch for an e-sports startup acquired by Sony — 100+ repositories and 50+ microservices running 24x7 behind 300k+ monthly active users.
- Executed zero-downtime migrations of DocumentDB → MongoDB Atlas and self-managed Kafka → Confluent Cloud, using dual-run replication, staged cutovers and tested rollback paths.
- Re-architected a legacy application at Origin Energy to serverless and microservices on AWS, removing \$200k+ a year in licensing and support costs.
- Led the migration of a 100+ server middleware estate (Oracle DB, IAM, SOA, WebLogic, IBM WebSphere) to AWS at BBC Capita in two years, saving the client £200k+ in data-centre costs.
- Key engineer on the migration of 3,000+ workloads from on-premises to AWS at Virgin Australia.
- Dockerised and moved 50+ microservices from EC2 to ECS/Fargate with no downtime, and automated their full release process.
- Built the multi-account governance layer — centralised tagging across 40+ AWS accounts for business-unit cost attribution, plus a consolidated CloudWatch alarm dashboard used by 9 product squads.
- Repeatedly turned manual toil into tooling — including a central multi-account management application at DXC that removed at least 1.5 FTEs of effort.

CORE SKILLS

Architecture & Design: Solution and enterprise architecture, serverless, microservices, event-driven design, multi-account / landing zone, AWS Well-Architected, migration strategy, architecture governance

Cloud Platforms: AWS (primary, 10+ years), Azure, GCP

Migrations: DocumentDB → MongoDB Atlas; Kafka → Confluent Cloud; EC2 → ECS/Fargate; large-scale on-premises → AWS; SAP on AWS; legacy monolith → serverless

Infrastructure as Code: AWS CDK (TypeScript), Terraform, Pulumi, CloudFormation, Ansible, Packer

CI/CD & Release: Bitbucket Pipelines, GitLab CI, Azure DevOps, blue-green and near-zero-downtime deployments, release automation

Containers & Compute: ECS/Fargate, Kubernetes (KCNA / KCS / CKAD), Docker, EC2 Auto Scaling, Lambda, API Gateway, Step Functions

Data & Streaming: MongoDB Atlas, DocumentDB, MySQL, Snowflake, S3, ETL / AWS Glue, Kafka / Confluent, Amazon MQ

Security & Observability: IAM, VPC and network design, Secrets Manager, Security Hub, security auditing; Elasticsearch, CloudWatch, logging, metrics and alerting

FinOps: Cost optimisation, cost attribution and tagging strategy, Savings Plans and Spot, right-sizing, monthly spend reporting

Development: Node.js, TypeScript, Python, React, Next.js, React Native / Expo, REST and GraphQL APIs, Bash

Leadership: Team leadership, mentoring, POC and vendor evaluation, stakeholder communication, technical documentation, workshops and enablement

PROFESSIONAL EXPERIENCE

Lead Cloud & DevOps Engineer — Sony Interactive Entertainment (Repeat.gg)

Nov 2022 - Present

Brisbane, Australia

Sole architect and technical authority for every AWS and DevOps decision at Repeat.gg, an Australian e-sports startup acquired by Sony Interactive Entertainment in 2022. Lead a team of 5 DevOps engineers supporting a platform with 300k+ monthly active users running 40k+ tournaments a month across multiple games and platforms, with real-time collection and processing of game results.

- Architected and built the entire high-traffic AWS estate from scratch — EC2 Auto Scaling, ECS/Fargate, Managed Kafka, Amazon MQ, Lambda and API Gateway — sized for 24x7 availability and real-time result processing.
- Own architecture governance for the platform: run POCs and evaluations of new AWS services and third-party products, make the build-versus-buy calls, and set the patterns the team builds to.
- Executed zero-downtime migrations — DocumentDB → MongoDB Atlas and self-managed Kafka → Confluent Cloud — using dual-run replication, staged cutovers and tested rollback paths.
- Dockerised and migrated 50+ microservices from EC2 to ECS/Fargate with no downtime, and automated their full release process.
- Designed and standardised CI/CD across a product of 100+ repositories using Bitbucket Pipelines and AWS CDK in TypeScript, applying blue-green deployments to maintain near-zero downtime.
- Designed and implemented the observability strategy — logs, metrics and alerting on Elasticsearch — materially improving the team's ability to detect and respond to issues proactively.
- Designed and implemented ETL data pipelines from DocumentDB and MySQL into S3 and Snowflake for analytics and reporting.
- Built web-based developer portals surfacing application metrics and self-service infrastructure requests, reducing day-to-day dependency on the DevOps team.
- Migrated a Sony application (Next.js frontend, Drupal CMS, MySQL) onto the platform — the proof point that Repeat's infrastructure could take over and maintain Sony workloads.
- Analyse application and infrastructure performance and implement optimisations; continuously audit and apply security best practices across infrastructure, network and data.
- Maintain EC2 configuration across environments with Ansible, and deploy React Native / Expo mobile apps to the Apple App Store and Google Play.
- Act as single point of contact for all cloud and DevOps issues; mentor developers and junior DevOps engineers on AWS and DevOps practice, and document implementations and standards into the team knowledge base.

Senior Cloud & DevOps Engineer — Origin Energy

Sep 2019 - Oct 2022

Brisbane, Australia

Key member of the Digital Platform & Architecture team within Origin Integrated Gas, designing and architecting cloud solutions across 9 product squads.

- Architected and implemented the migration of a complex legacy application to serverless and microservices on AWS, saving Origin \$200k+ in licensing and support costs.
- Designed and built “Digital Monitor” — a React dashboard consolidating CloudWatch alarms across 40+ AWS accounts and alerting the owning squad — enabling proactive issue detection and avoiding outage costs.
- Established Azure DevOps CI/CD patterns across multiple products, taking daily pipeline executions from tens to hundreds and increasing delivery velocity across squads.
- Delivered a fully functional serverless backend for a React application in two weeks, establishing business confidence in the platform team's capability.
- Implemented a centralised tagging solution across 40+ AWS accounts, giving the finance team accurate business-unit cost attribution.
- Developed AWS CDK, Terraform and CloudFormation templates to automate infrastructure deployment; designed REST and GraphQL APIs for application and data integration.
- Reported cloud spend monthly with costed optimisation recommendations, and reviewed SEMP (System Engineering Management Process) submissions ahead of product releases.
- Provided cloud platform and architecture guidance to data engineers, developers and testers; tracked new AWS service releases and applied them to improve digital products.

Senior Cloud Engineer — Virgin Australia

Mar 2019 - Sep 2019

Brisbane, Australia

Joined Virgin Australia's Cloud Practice team to accelerate their cloud migration programme, making significant impact on VA's cloud landscape in a short tenure.

- Key engineer on a programme migrating 3,000+ workloads from on-premises to AWS; redesigned legacy on-prem applications into serverless and microservices architectures.
- Built internal tools to remove manual effort: **AWS Cloud Inventory** (Angular app with serverless backend giving keyword search across resources in every AWS account, used by cloud and support teams during incidents); **Megaopart Dashboard** (visual bandwidth usage across all Direct Connect connections); **SSM Params** (Node.js CLI for wildcard search of SSM parameters across accounts); and **Backup CLI** (Node.js tool to restore and attach EBS volumes automatically).
- Developed and maintained CI/CD patterns and pipelines using Ansible, Terraform, CloudFormation, Packer and Makefiles, and built custom Docker image pipelines for mission-critical applications.
- Ran POCs on cloud and third-party solutions and produced documented proposals setting out the business value of each.
- Ran workshops and demos on AWS services for developers, technical support teams and management; advised management on cloud spend reduction and maintained cloud security and access governance.

Cloud Engineer — DXC Technology, ANZ AWS Practice

Jan 2017 - Mar 2019

Australia

Moved from DXC UK to the Australia and New Zealand AWS Practice, supporting multiple private and government clients through their cloud adoption journeys.

- Identified the opportunity to centralise multi-account management and built an application to run daily tasks and checks across all client AWS accounts, cutting manual effort by at least 1.5 FTEs.
- Implemented the migration of SAP workloads onto AWS.
- Acted as client Account Manager — presenting solutions to management and technical teams, and producing documentation pitched at both technical and non-technical audiences.
- Developed Lambda-based automation for patching, backups and reporting, and maintained CloudFormation templates for rapid deployment into client accounts.
- Monitored client workloads continuously and delivered cost and performance optimisation recommendations; organised monthly “Tech Talks” demonstrating new AWS services and features.

Cloud Technical Consultant — DXC Technology (BBC Capita TVL)

Jan 2015 - Jan 2017

United Kingdom

- Led the migration of 100+ on-premises servers to AWS — Oracle Database, Oracle Identity & Access Management, Oracle SOA, Oracle WebLogic and IBM WebSphere — completing the programme in two years, within target, and saving the client £200k+ in data-centre costs.
- Re-architected existing middleware applications to suit AWS, and selected the AWS services to meet each application's requirements.
- Helped enterprise architects understand middleware complexity and dependencies in the context of the wider organisational cloud strategy.

Middleware Technical Lead — DXC Technology (BBC Capita TVL)

Jan 2012 - Jan 2015

United Kingdom

- Led a team of 5 middleware engineers supporting BBC Capita's middleware estate.
- Designed and delivered DXC's first Oracle SOA implementation — ran the POC on unfamiliar technology, convinced DXC and BBC Capita management to invest, then led the team through delivery.
- Built the monitoring system for the BBC Capita server fleet using Oracle Enterprise Manager Cloud Control 12c.
- Implemented and maintained Oracle Identity & Access Management, and built and maintained Oracle WebCenter Content and WebCenter Sites.
- Defined DR strategies, procedures and recovery plans; ran patching and critical updates across the middleware stack; authored and maintained the support documentation.

Earlier Roles — DXC Technology (France / UK / India) & TCS India

May 2006 - Jan 2012

Middleware, Citrix and Identity & Access Management

- **Middleware Technical Lead — DXC / Arcelor Mittal, France** (Jul 2011 - Jan 2012): designed and implemented a Citrix solution migrating 300+ desktop environments.
- **Middleware Technical Consultant — DXC / Network Rail, UK** (Jul 2009 - Jul 2011): consolidated identity systems scattered across multiple platforms into a single Oracle IAM and CA SiteMinder / Identity Minder solution, and migrated existing identities with minimal user impact — streamlining joiner/leaver handling for the service desk.

- **Middleware Engineer — DXC India** (Jun 2008 – Jul 2009): administered and upgraded Oracle Application Server, WebLogic and IBM WebSphere; built a Java auditing tool that extracted server software and service metrics into compliance PDF reports.
- **Assistant Systems Engineer — TCS India** (May 2006 – Jun 2008): built the MIIS Reporting Tool (ASP.NET / MySQL) that cut a daily hour-long reporting task to 3 minutes; provided level-3 support for SiteMinder SSO and LDAP. Awarded the GE Excellence Award.

CERTIFICATIONS

AWS — Professional: Solutions Architect Professional; DevOps Engineer Professional

AWS — Specialty: Security; Advanced Networking; Database; Data Analytics; Machine Learning; Alexa Skill Builder

AWS — Associate / Foundational: Solutions Architect Associate; Developer Associate; SysOps Administrator Associate; Cloud Practitioner

Kubernetes: KCNA; KCS; CKAD

Microsoft Azure: Developer; Administrator; Fundamentals

Other: Six Sigma Green Belt

OPEN SOURCE, COMMUNITY & SIDE PROJECTS

- **AWS Community Builder** and member of the AWS Dev/Cloud Alliance, Australia and New Zealand.
- **AWS CLI Builder** (awsclibuilder.com) — web application giving AWS engineers a visual interface for building AWS CLI commands.
- **EC2 Types** (ec2types.io) — EC2 instance explorer with configuration and pricing across regions, side-by-side comparison, and instance suggestions by budget, memory and vCPU.
- **aws-profile** (npm) — package to manage and renew AWS profiles based on access keys, IAM roles and MFA.
- **YouTube and blog** (prasaddomala.com) — around 50 practical tutorials on AWS architecture, serverless, AWS CDK/SAM, DevOps practice and cloud migration.
- **Side projects** — several Next.js / React web apps and React Native mobile apps built and published independently.

EDUCATION

Bachelor of Technology, Civil Engineering — Sri Venkateswara University, Tirupati, India (2002–2006)

RECOGNITION

GE Excellence Award (TCS, 2007) • Best Employee Award (DXC, 2011) and top annual performance ratings at DXC • Nominated for the Customer Excellence Award and the Chairman's Excellence Award (DXC)