

Didheemose Sebastian

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PROFESSIONAL SUMMARY

Cloud-focused IT professional with an MSc in Cloud Computing from the National College of Ireland (graduated April 2025) and hands-on experience building, deploying, and maintaining production infrastructure on AWS. Skilled in infrastructure automation with Terraform, container deployments with Docker, CI/CD pipeline operations, and cloud system monitoring. Independently built and operated Cursus, a live platform running on AWS ECS Fargate, RDS, ALB, and Route 53 with full CI/CD automation. Proven reliability through nearly two years of sole-responsibility night-shift operations in a regulated environment. Currently studying for AWS Cloud Practitioner certification.

TECHNICAL SKILLS

Cloud & Infrastructure: AWS (ECS Fargate, RDS, Lambda, S3, EC2, CodePipeline, CodeBuild, CloudWatch, Route 53, ACM, ECR), Terraform, Docker, Cloudflare DNS

Operations & Monitoring: CI/CD pipeline maintenance, CloudWatch monitoring, infrastructure troubleshooting, Linux server administration, Git branching, cPanel

Scripting & Automation: Python, Node.js, Bash, RESTful API integration

Databases: PostgreSQL, MySQL, SQL, Prisma ORM

Security & Compliance: JWT authentication, data encryption, RBAC, GDPR-compliant design

Front-End: React.js, Next.js 15, TypeScript

PROFESSIONAL EXPERIENCE

Cloud & Infrastructure Engineer (Freelance) - Studd Games - Remote - June 2026-Present

- Provisioned and configured local development environment using Docker containers (PHP 8.1, MySQL) with production server parity
- Implemented Git branching strategy (feature - staging - production) enabling safe deployments with full rollback capability
- Configured staging environment on shared Linux hosting using Git, cPanel subdomains, and Cloudflare DNS

Facility Operations Coordinator (Night Shift) - Samsic Facility / Mondelēz International, Coolock - July 2024-Present

- Sole night-shift operative managing all operational activities across multiple facility zones with zero-failure handover to day shift
- Maintained compliance documentation to client audit standards with zero failures across all inspection cycles
- Trained four new staff members on site procedures, equipment operation, and compliance documentation

Junior Full-Stack Developer (Contract) - Accurate Software Solutions - Kochi, India - Feb 2023-Mar 2024

- Contributed to React/Node.js applications supporting high-volume concurrent requests at production scale
- Assisted in database indexing and RESTful API optimisation, improving system response times

PROJECTS & INDEPENDENT WORK

Cursus - Live Cloud-Native Platform on AWS - Dec 2025-Mar 2026

- Provisioned full AWS infrastructure (ECS Fargate, RDS PostgreSQL, ALB, Route 53, ACM, ECR) using Terraform as code
- Built and operated CI/CD pipeline with AWS CodePipeline and CodeBuild delivering zero-downtime deployments to ECS
- Designed production-grade multi-tenant back-end using Node.js, PostgreSQL, Prisma ORM supporting RBAC across user roles

Live: cursus.didheemose.dev - GitHub: github.com/DidheemosePS/cursus-lms

CloudShield-Federated - Federated Learning System on AWS - MSc Project, Nov 2024-Jan 2025

- Deployed distributed machine learning system across multiple AWS EC2 instances with inter-service communication and coordination
- Applied KMeans clustering to improve recall from 84.8% to 86.2% and F1 score from 89.7% to 90.0% vs. baseline

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EDUCATION

Master of Science (MSc), Cloud Computing - National College of Ireland, Dublin - Graduated April 2025

Bachelor of Computer Applications (BCA) - University of Calicut, India - Graduated March 2023 - GPA: 7/10

AWS Cloud Practitioner - Currently studying