

ALDRIN CEREZO

DevOps/Cloud Engineer

+63 968 682 0239
Langakaan I, Dasmariñas City
drincerezo@gmail.com

Analytical and "First Principles" driven Engineer transitioning from Semiconductor Reliability and Failure Analysis into DevOps and Software Integration. Proven track record in root-cause investigation and incident analysis, now applied to building robust Python-based integrations and automated infrastructure. Experienced in managing Linux/Unix environments, developing APIs, and deploying applications or websites using Terraform, Ansible and or Docker AWS Cloud Infrastructure.

PROFESSIONAL EXPERIENCE

DevOps & Integration Engineer (Project-Focused) | Jan 2026 - Present

- Architected a "zero-cost" production-ready DevOps pipeline, reducing operational overhead by leveraging open-source tooling and AWS Free Tier optimization.
- Engineered scalable Infrastructure as Code (IaC) using Terraform, implementing remote state locking with S3 and DynamoDB to ensure team-wide deployment consistency and prevent state corruption.
- Optimized Python development workflows by migrating to uv and using WSL, achieving significantly faster dependency resolution and reproducible environment orchestration across distributed systems.

Semiconductor Reliability and Failure Analysis Engineer | 2010 - Present

- Led complex physical failure investigations for Wafer Level Chip Scale Packages (WLCSP), utilizing thermal cycling data to project a 10-year product lifecycle.
- Spearheaded Incident Analysis initiatives, transforming technical failure data into actionable engineering roadmaps to prevent recurring hardware regressions.
- Collaborated with cross-functional teams to automate reliability data collection, increasing the speed of qualification cycles for new semiconductor products.

EDUCATION

BS Electronics and Communication Engineer

Colegio de Dagupan (2003 - 2008)

SKILLS

- **Languages:** Python (uv, Flask), JavaScript, HTML/CSS, SQL.
- **Specialized:** API Integration, CI/CD Pipeline Design, Semiconductor Reliability Testing, Incident Analysis.
- **DevOps & Infrastructure:** Docker (CLI), Terraform, AWS (S3, RDB), Jenkins, Ansible.
- **Linux/Systems:** Debian, Ubuntu, WSL, Git & Github, Bash Scripting