

# DAKOTA BAZAN

Mar del Plata, Buenos Aires, Argentina

Open-source Contributor – Microsoft Ecosystem | Cloud-Native Solutions Architect AWS

LinkedIn: Dakota Bazan | GitHub: Dakotab75 | Portfolio: <https://dakotab75.github.io/MiPortafolioAWS/>

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## PROFESSIONAL SUMMARY

Open-source contributor within the Microsoft ecosystem, focused on developer experience, frontend architecture, and production-grade CI/CD practices. Proven experience designing, documenting, and securing enterprise-level frontend platforms and pipelines aligned with real-world, multi-team environments.

Strong background in frontend engineering (React + TypeScript), DevOps workflows (GitHub Actions, Azure), and technical documentation, with accepted contributions to Microsoft and Debian repositories. Oriented to clarity, scalability, and maintainability over vanity metrics.

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## CORE SKILLS

### Frontend & Developer Experience

- React + TypeScript (enterprise-grade architecture)
- Domain-driven frontend design
- Performance optimization (lazy loading, memoization, render control)
- Testability at scale (Unit, Integration, E2E)
- Accessibility and maintainable UI systems

### CI/CD & DevOps

- GitHub Actions (CI & CD pipelines)
- Docker & containerized deployments
- Azure App Service & AKS (reference architectures)
- Azure Container Registry (ACR)
- Environment protection rules & manual approvals

### Security & Quality

- CodeQL static analysis
- Secret validation workflows
- Branch protection strategies
- Quality gates for production readiness

### Documentation & Open Source

- Technical documentation improvement
- Contributor collaboration with maintainers

- Clear problem → solution → impact communication
- Open-source governance & contribution workflows

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## OPEN-SOURCE EXPERIENCE

### **Microsoft Ecosystem — Open-source Contributor**

- Contributed accepted pull requests improving technical documentation and developer tooling clarity
- Identified documentation gaps impacting real developer workflows and proposed maintainable improvements
- Collaborated with Microsoft maintainers through iterative PR reviews and feedback cycles
- Focused on correctness, usability, and long-term documentation sustainability

### **Debian — Open-source Contributor**

- Participated in documentation and ecosystem contributions aligned with open-source standards
- Applied structured, production-oriented documentation practices

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## SELECTED TECHNICAL PROJECTS

### **Enterprise CI/CD Pipeline — GitHub Actions + Azure (AZ-400 aligned)**

#### **Production-grade CI/CD architecture for frontend applications**

- Designed and implemented a full CI/CD pipeline using GitHub Actions, Docker, and Azure
- Integrated CodeQL security analysis on every pull request and push
- Implemented secret management using GitHub encrypted secrets (no credentials in code)
- Deployed containerized applications to Azure App Service and AKS (reference architecture)
- Established environment protection rules and manual approvals for production

**Impact:** Demonstrates real-world DevOps decision-making aligned with Microsoft AZ-400 standards

### **Enterprise Frontend Architecture — React + TypeScript**

- Designed a scalable, domain-driven frontend architecture inspired by large platforms (e.g., Mercado Libre)
- Emphasized maintainability, performance, and multi-team scalability
- Implemented route-based lazy loading, memoization, and performance-critical ownership boundaries
- Built comprehensive testing strategy (Unit + E2E) aligned with CI pipelines

**Impact:** Serves as a technical verification artifact demonstrating senior-level frontend reasoning

### **Microfrontend Architecture Simulation**

- Built two independently deployable React microfrontends with shared components and a global event bus
- Implemented CI/CD, CodeQL security scanning, and secret validation from day one

- Designed for realistic multi-team collaboration and independent deployment cycles

### **Backend for Frontend (BFF) — Node.js + TypeScript**

- Implemented a production-ready BFF layer following high-traffic platform patterns
- Centralized request orchestration, response shaping, and error normalization
- Added observability-ready logging, request correlation IDs, and strict typing

### **Frontend Testing Strategy — Enterprise Quality Standards**

- Defined applied testing pyramids focused on risk reduction, not metric inflation
- Implemented deterministic E2E pipelines using Playwright and Cypress
- Documented what to test vs what not to test to avoid flaky pipelines

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## **EDUCATION & CERTIFICATIONS**

### **Professional Certifications & Training**

- Microsoft AZ-400 — Implementing CI with Azure Pipelines and GitHub Actions (Dec 2025)
- AWS Training Online — Exam Prep: AWS Certified Developer – Associate (DVA-C02) (Dec 2025)
- AWS Training Online — Observing, Troubleshooting, and Optimizing Workloads on Amazon ECS (Dec 2025)
- AWS Training Online — AWS Advanced Testing Practices Using AWS DevOps Tools (Sep 2025)
- AWS Training Online — Deep Dive with Security: AWS Identity and Access Management (IAM) (Sep 2025)
- AWS Training Online — Building Language Models on AWS (Sep 2025)
- AWS Training Online — AWS Learner Guide (Jan 2025)
- Mercado Libre — Products Ads Certification (Professional training)
- Teclab Instituto Técnico Superior — Professional Update in Artificial Intelligence (Sep 2025)
- Teclab Instituto Técnico Superior — Self-Leadership Workshop (Jan 2025)
- HILET — Web Full Stack Developer (Dec 2024)
- HILET — Intensive English Program (Mar 2024)
- HILET — Introduction to Python Programming (Dec 2023)

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## **LANGUAGES**

- Spanish: Native

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## **POSITIONING STATEMENT**

Open to opportunities within the Microsoft ecosystem in roles related to:

- Technical Documentation / Documentation Engineering
- Developer Experience Engineering
- Frontend Engineering (tooling-focused)

Motivated to contribute in environments where technical clarity, system scalability, and real developer impact are core priorities.