

Dr. Adriani Coleman, EdD

Digital Learning & Development Consultant

Doctor of Education (EdD), Artificial Intelligence in Educational Technology · MSc, Education (Innovation in Teaching & Learning)
Former Director of E-Governance, Ministry of E-Governance (Belize) · Founder, Digital Learning & Pedagogical Solutions (DLPS)

DUTY STATION / BASE Belize Available Internationally	EXPERIENCE RECORD 10 Years Digital Projects & Learning	DIRECT CONTACT info@aidenteach.com +501 623 5029	PORTFOLIO RECORD aidenteach.com/portfolio dlpsbelize.com
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01 / EXECUTIVE SYNTHESIS & INSTITUTIONAL VALUE PROPOSITION

Education expertise. AI integration. Digital systems people can use. Dr. Adriani Coleman brings a decade of experience across digital learning, technology projects and staff development. She connects education, artificial intelligence and institutional change through platform design, coding, project management and the adoption of technology in classrooms, organizations and public services. Her multidisciplinary approach connects stakeholder needs with workflows, learning design, user training and practical implementation. Across public administration, education management information systems (EMIS), development finance, and enterprise operations, her work bridges policy objectives, institutional governance, and verified technical implementation.

SECTOR EXPERIENCE 10 Years Digital learning, EdTech, AI & e-governance	CORE CASE STUDIES 07 Systems Documented platforms in this portfolio	PRODUCTION RECORD 22+ Platforms Delivered with DLPS & Pixel Pro Media	CAPACITY BUILDING 55 Sessions Workshops, keynotes & policy sessions
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02 / PRACTICE & ADVISORY CAPABILITIES

- 01. AI integration
- 02. LMS design
- 03. Staff training
- 04. Workflow design
- 05. Project management
- 06. Requirements analysis
- 07. Quality assurance & user acceptance testing

03 / TECHNICAL STACK & SECTOR DOMAINS

Languages, Frameworks & Databases:
HTML · CSS · JavaScript · C++ · C# · PHP · MariaDB · React · Ionic · TypeScript

Delivery Model & Technical Partnership:
Enterprise platforms are delivered in technical partnership with **Pixel Pro Media**, combining Dr. Coleman’s workflow design, requirements analysis, QA, project management, and stakeholder training with full-stack engineering.

STRUCTURE OF THIS DOSSIER

Section 01 (Page 02)	Career Record: Public-Sector Leadership, Digital Consultancy & Teaching
Section 02 (Page 03)	Academic Qualifications, International Fellowships, Affiliations & Executive Certifications
Section 03 (Pages 04–05)	Selected Platform Case Studies (01–07): Purpose, Capabilities & Direct Contributions
Section 04 (Page 06)	Enterprise Systems Architecture, Data Governance & Institutional Delivery Matrix
Section 05 (Pages 07–08)	Complete Speaking, Policy & Capacity-Building Archive (55 Documented Engagements, 2020–2026)

01 / LEADERSHIP, GOVERNANCE & PROFESSIONAL EXPERIENCE

From classroom practice to institutional transformation.

Chronological record of public-sector e-governance leadership, digital learning consultancy, and classroom instruction.

2020–Present Digital Learning & Pedagogical Solutions	Digital Learning & Development Consultant <i>Designing learning experiences, integrating educational technology and helping stakeholders adopt AI and digital platforms.</i> • AI educational chatbot and platform creation. • Selection and integration of educational technologies, learning management systems and digital tools for hybrid, blended and online learning. • Course structure, content organization and learning-sequence design. • Guidance on course creation, enrolment, progress tracking, reporting and LMS functionality. • Interactive workshops, webinars, practical activities and demonstrations for stakeholders.
2024–2025 Ministry of E-Governance	Director of E-Governance <i>Public-sector digitization, project coordination and change management.</i> • Planning, execution and evaluation of e-governance and digitization projects. • Oversight of project timelines, budgets and quality standards. • Change management to support adoption of digital processes and systems. • Promotion of agile approaches to public-sector project execution. • Coordination with government officials, private-sector partners and international organizations.
2013–2020 Belize Elementary School	Educator <i>Standard 5 and 6 homeroom, English and reading instruction.</i> • English and reading curriculum mapping against school and national standards. • Implementation of digital teaching and learning strategies. • Coordination with administrators and counsellors on student support. • Support for autistic students and their parents.
2008–2013 Horizon Academy	Educator <i>Classroom teaching, teacher support and student development.</i> • Teacher training for the positive-discipline programme. • Student training in ArcGIS and preparation for spelling-bee participation. • Fundraising support and coordination with school administration.
2004–2008 E. P. Yorke High School	Educator <i>Student support and school programme delivery.</i> • Creation of a support programme for students at risk. • Fundraising activities and liaison with school administration on student issues.
2003–2004 Belize Family Life Association	Project Coordinator <i>Youth programmes, stakeholder training and event coordination.</i> • Planning activities to meet project outputs and outcomes. • Building relationships with youth-service providers and coordinating stakeholder training. • Character-development training for young people at risk and referrals to partner institutions. • Logistics for project events.
Institutional Collaboration Peeris Consulting · Pixel Pro Media	LMS design & Multidisciplinary Platform Delivery <i>Collaboration on learning management system design. Assisted Pixel Pro Media across workflow design, project management, QA, and stakeholder training.</i>

02 / ACADEMIC CREDENTIALS, FELLOWSHIPS & CERTIFICATIONS

Academic preparation and international recognition.

Doctoral research in Artificial Intelligence in Educational Technology, international fellowships, and executive certifications.

Academic Degrees

Educational Doctorate in Artificial Intelligence in Educational Technology

2020–2024

Master's Degree in Education, Innovation in Teaching & Learning

University of South Wales · 2018–2020

Bachelor's Degree in English

University of Belize · 2001–2004

International Fellowships & Recognition

EdSafe AI Alliance Fellowship

Current

CTU Trinidad School of Digital Transformation Fellowship

June 2025

Cherie Blair Mentee Alumni

May 2025

Vital Voices Fellowship

October 2024

Fast Track Business Management

June–November 2023

Professional Affiliations

- Belize Trade and Investment Development Services (BELTRAIDE)
- Centro Regional de la Promoción de la MIPYME (CENPROMYPE)
- Curipod Ambassador
- University of South Wales Alumni Association
- Vital Voices Visionaries

Executive Certifications & Specialized Training

Leading Transformations: Manage Change

Macquarie University · October 2025

Value Stream Mapping Certification

Coursera · September 2025

Generative AI in Leadership

Vanderbilt University · September 2025

Course Builder Certification

Coursera · July 2025

Administrator Certification

Coursera · July 2025

AI4E Annotation Training Workshop

April 2025

Leadership & Influence on Public Policy & E-Commerce

CENPROMYPE · December 2024

Creating Value through Intellectual Property

WIPO · November 2023–April 2024

Project Management Expert Certificate

IDB · September 2023

Creating Zaps, Automating and Triggers

Zapier · September 2023

AI Training Certificate

Curipod · May 2023

Grant Proposal Writing

December 2022

Articulate 360 E-Course Design

November 2022

E-Learning Ecosystems

January 2020–April 2021

03 / SELECTED PLATFORM CASE STUDIES (01 – 04)

Operational systems built for institutional adoption.

Selected platforms delivered in technical partnership with Pixel Pro Media — detailing Dr. Coleman’s direct contributions.

CASE STUDY 01 · EDUCATION & AI

AidenTeach

An education platform connecting AI-assisted teaching tools with school operations, learning workflows and institutional administration.

DIRECT ROLE & CONTRIBUTION

Owner; platform design and development (Assisted Pixel Pro Media)

CORE SYSTEM CAPABILITIES & WORKFLOWS

- 01. AI-assisted planning and content tools
- 02. School and organization management
- 03. Identity and attendance workflows
- 04. Communications and reporting

Operational Scope: Operational SaaS · Multi-tenant school organizations, AI planning, ID cards, attendance & billing.

CASE STUDY 02 · FINANCIAL SERVICES

DFC Platform

A connected public website, client portal, staff administration environment and mobile application supporting financial-service workflows.

DIRECT ROLE & CONTRIBUTION

Coding and project management (Assisted Pixel Pro Media)

CORE SYSTEM CAPABILITIES & WORKFLOWS

- 01. Client application and document workflows
- 02. Staff review and administration
- 03. Role-based access and audit history
- 04. Mobile access and existing-system integration

Operational Scope: Development Finance · Public portal, client application intake, staff review & mobile integration.

CASE STUDY 03 · PUBLIC SERVICES

Central Building Authority Platform

A building-application platform connecting intake, applicant records, technical review and recorded approval decisions.

DIRECT ROLE & CONTRIBUTION

Coding and project management (Assisted Pixel Pro Media)

CORE SYSTEM CAPABILITIES & WORKFLOWS

- 01. Application intake and customer portal
- 02. Technical review and document previews
- 03. Recorded approval workflows
- 04. Analytics and auditable administration

Operational Scope: Public Sector Regulatory · Building-permit intake, technical review & recorded approvals.

CASE STUDY 04 · EVENTS & COMMUNICATIONS

AMPLIFY

A conference platform linking registration, ticketing, attendee access, check-in, communications and conference-year reporting.

DIRECT ROLE & CONTRIBUTION

Workflow design, project management and training (Assisted Pixel Pro Media)

CORE SYSTEM CAPABILITIES & WORKFLOWS

- 01. Conference registration and ticketing
- 02. Attendee portal and check-in
- 03. Ticket and survey email workflows
- 04. Attendance and transaction reporting

Operational Scope: Event & Conference Operations · Registration, ticketing, QR check-in, email workflows & reporting.

03 / SELECTED PLATFORM CASE STUDIES (05 – 07) & DELIVERY MODEL

Connected web, ledger, and mobile operations.

Higher-education community systems, high-integrity digital point-of-sale ledgers, and real-time logistics dispatch.

CASE STUDY 05 · EDUCATION & COMMUNITY UB Connect A university community platform bringing membership, identity, events, forms and communications into a shared web and mobile environment. DIRECT ROLE & CONTRIBUTION Workflow design, project management and training (Assisted Pixel Pro Media)	CORE SYSTEM CAPABILITIES & WORKFLOWS 01. Membership and scoped administration 02. ID cards and event attendance 03. Forms, polls and shared resources 04. Delegated message approvals and mobile access Operational Scope: Higher Education Community · Scoped membership, digital IDs, events, forms & mobile access.
CASE STUDY 06 · COMMERCE & OPERATIONS Pixel POS An operations platform for digital sales, inventory, funding records, receipts, approvals and reporting, with a connected customer application. DIRECT ROLE & CONTRIBUTION Workflow design, project management and training (Assisted Pixel Pro Media)	CORE SYSTEM CAPABILITIES & WORKFLOWS 01. Digital top-ups and gift-card inventory 02. Funding ledgers and receipts 03. Approvals, reporting and audit 04. Customer bookings and mobile services Operational Scope: Commercial & Ledger Operations · Digital inventory, atomic funding ledgers, receipts & audit.
CASE STUDY 07 · LOGISTICS & MOBILE QWIK A delivery-service platform connecting customer shipment requests with dispatch and driver workflows through a role-based mobile application. DIRECT ROLE & CONTRIBUTION Workflow design, project management and training (Assisted Pixel Pro Media)	CORE SYSTEM CAPABILITIES & WORKFLOWS 01. Customer shipping and booking 02. Dispatch and driver job management 03. GPS sharing and proof capture 04. Cash entry and shipment scanning Operational Scope: Logistics & Field Mobile · Customer booking, live dispatch, GPS proof capture & driver cash entry.

SIX-STAGE INSTITUTIONAL IMPLEMENTATION & HANDOVER METHODOLOGY

01. Discover Stakeholder needs, policy rules, workflows & success measures.	02. Design Role hierarchy, data model, interfaces & integration boundaries.	03. Build Phased operational modules with stakeholder review checkpoints.
04. Verify Source-to-DB validation, automated E2E checks & UAT matrices.	05. Release Staged deployment, backups, migration proofs & cutover controls.	06. Handover Role-based workshops, super-user training, guides & runbooks.

04 / ENTERPRISE SYSTEMS & TECHNICAL GOVERNANCE MATRIX

Cross-sector engineering and data-governance evidence.

How education management, national analytics, public registries, and regulated workflows connect under one governance standard.

DOMAIN / SYSTEM CLASS	OPERATIONAL & TECHNICAL CONTROLS	MULTILATERAL / EMIS RELEVANCE
Education SaaS & EMIS AidenTeach · Perez Trish LMS	Multi-tenant school organizations, curriculum AI tools, cohorts, question banks, grading, ID cards, and QR attendance.	Direct analogue for national/district school management, teacher tools, learner records, and controlled institutional access.
National Health Analytics Mental Health Dashboard	National & district KPIs, indicator explorer, source-to-database fidelity validation, anomaly registers, and geographic views.	Demonstrates national indicator governance, source validation before official reporting, and disaggregation by district.
Civic & Regulatory Ops Municipal & CBA Platforms	Master registries, permit/application intake, technical review, roadside enforcement, cashiering, and GIS command layers.	Proves master-data management, identity resolution, multi-department workflows, and spatial facility mapping.
Development Finance & Case DFC · SFXCU Recovery	Client intake, document verification, core-banking imports, case assignment trails, delinquency scorecards, and audit logs.	Establishes strict segregation of duties, case-file ownership, upstream data-error diagnosis, and evidentiary auditability.
Emergency & Field Mobile ShelterBZ · QWIK · Amplify	Role-scoped iOS/Android field apps, bearer-token APIs, QR check-in/out, shelter occupancy, GPS proof, and offline sync.	Shows rapid field reporting, site readiness, and role-appropriate mobile access without exposing core backend databases.
High-Integrity Ledgers Pixel POS · Restaurant POS	Atomic database transactions, concurrency locks, idempotency keys, immutable cost snapshots, and end-of-shift closeouts.	Guarantees all-or-nothing record integrity for official status changes, fee collection, and institutional inventory.

CORE SECURITY, PRIVACY & QUALITY ASSURANCE STANDARDS

Role-Based Access Control (RBAC) Deny-by-default permissions, institutional tenant isolation, and read-only oversight roles.	Data Protection & Audit Trails AES-256-GCM encryption for sensitive fields, CSRF/session hardening, and append-only event logs.	Automated Verification & UAT Playwright E2E browser matrices, PHPUnit tests, source reconciliation, and stakeholder UAT sign-off.
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05 / SPEAKING, POLICY & CAPACITY-BUILDING ARCHIVE

Sharing knowledge across sectors.

55 documented workshops, national CPD sessions, policy remarks, panels, and keynotes (2020–2026).

2026

AUGUST 2026

AI Planning for the Future of Education

CPD workshop · Baptist Schools · Stann Creek District

AUGUST 2026

AI Planning for the Future of Education

CPD workshop · Baptist Schools · Cayo District

AUGUST 2026

AI Planning for the Future of Education

CPD workshop · Baptist Schools · Belize District

AUGUST 2026

Integrating Virtual Labs in STEM Teaching

CPD workshop · Cayo District

AUGUST 2026

Integrating Virtual Labs in STEM Teaching

CPD workshop · Orange Walk & Corozal Districts

AUGUST 2026

Integrating Virtual Labs in STEM Teaching

CPD workshop · Belize District

AUGUST 2026

The SAFE Approach: AI Framework for Schools

CPD session · MoECST National Ed Tech Summit · Belize City

AUGUST 2026

Ed Tech Tools for Inclusion

CPD session · MoECST National Ed Tech Summit · Belize City

MAY 2026

Integrating Virtual Labs in STEM Teaching

CPD workshop · MoECST & Commonwealth of Learning · Belize City

MAY 2026

Introduction to Moodle for Course Facilitators

CPD workshop · MoECST & Commonwealth of Learning · Belize City

MARCH 2026

Rising Girls Online Series: Creating Change

Panel presentation · National Committees for Families and Children

MARCH 2026

Women in Technology

Speech · Belize Tax Services Women's Power Luncheon

MARCH 2026

AI Best Practices

Presentation · OAS Working Group

MARCH 2026

Building AldenTeach: A Founder's Journey through the Caribbean SaaS Jungle

Speech · Caribbean AI Summit

MARCH 2026

Pursuing a STEAM Degree

Presentation · St. John's College Junior College

MARCH 2026

AI Literacy for Tertiary Education

Workshop · Wesley Junior College

2025

OCTOBER 2025

Platform Designs for Accessibility

E-course · SkillUp Digital Bootcamp, BELTRAIDE

SEPTEMBER 2025

Belize's Experience in Interconnectivity Tabletop Exercise

Director's remarks · EU-LAC Digital Alliance

SEPTEMBER 2025

AI Literacy for All: A Tech Leader's Guide to Teaching Non-Tech Adults

Webinar · Central American Integration System (SICA)

MAY 2025

Online Criminal Records Registry

Director's remarks · Ministry of E-Governance

APRIL 2025

AI Unleashed Digital Summit: AI in Education & E-Governance

Speaker presentation · Avant Garde

MARCH 2025

Navigating the AI Revolution in Tertiary Education

Workshop · St. John's College Junior College

MARCH 2025

I'm That Girl!

Guest speaker · RESTORE Belize

MARCH 2025

I'm That Girl!

Guest speaker · St. Catherine Academy

MARCH 2025

Young Innovator, Maliyah Casey

Director's remarks · Ministry of Public Utilities, Energy, Logistics, and E-Governance

FEBRUARY 2025

Women in Public Policy

Panel presentation · CENPROMYPE

2024

NOVEMBER 2024

AI: Impacts on MSMEs

Panel presentation · ENTRECON

NOVEMBER 2024**Artificial Intelligence: Advantages & Disadvantages in Education**

Lecture · Rev. Dr. Claude Cadogan Lecture Series, Wesley Junior College

NOVEMBER 2024**AI: Planning for the Future of Education**

CPD workshop · Teacher Learning Institute

SEPTEMBER 2024**Innovating Education: A Woman's Journey in Ed Tech**

Podcast guest · More Than Just A Girl

AUGUST 2024**AI Planning for the Future of Education**

Workshop · Edward P. Yorke High School

JULY 2024**AI Intro for Young People**

Summer academy · Educational Scientific Solutions, STEAM Summer Academy

JUNE 2024**An Entrepreneur's Journey**

Panel presentation · World Intellectual Property Organization (WIPO) · Belize City

JUNE 2024**AI for Growth: Empowering MSMEs**

Workshop · International Network of Women Belize (NIME)

JUNE 2024**STEAM Career Paths**

Career-day presentation · Orange Walk Technical High School

MARCH 2024**SWOT, So What?**

Keynote presentation · Society for Information Technology and Teacher Education (SITE) · Las Vegas, USA

FEBRUARY 2024**STEAM Career Paths**

Speaker presentation · St. Catherine Academy Career Day

FEBRUARY 2024**Artificial Intelligence & The Bottom Line**

Panel presentation · COBEC Winter Conference

2023**SEPTEMBER 2023****Hybrid Teaching Strategies SJCJC & SJCUC: New Teachers**

Workshop presentation · St. John's College Junior College and St. John's College

AUGUST 2023**AI: Planning & Designing for the Future of Education**

Workshop presentation · St. John's College High School

AUGUST 2023**AI: A Journey Unveiled**

Microlearning presentation · NIME Belize

AUGUST 2023**AI: Planning & Designing for the Future of Education**

Workshop presentation · Georgetown Technical High School

AUGUST 2023**AI: Lesson Planning Chatbot Demo**

Demonstration · Our Lady of Guadalupe Primary School

AUGUST 2023**AI: Lesson Planning Chatbot Demo**

Demonstration · St. Edmund RC Primary School

AUGUST 2023**Interdisciplinary Projects SJC: New Teachers**

Workshop presentation · St. John's College High School

2022**AUGUST 2022****Hybrid Teaching Development**

Workshop presentation · St. John's College Junior College

AUGUST 2022**SAMR & The Enhanced, Hybrid and Blended Classroom**

Workshop presentation · St. John's College Junior College

AUGUST 2022**Interdisciplinary Projects SJC: Whole School Approach**

Workshop presentation · St. John's College High School

AUGUST 2022**Project Based Learning GTH: Whole School Approach**

Workshop presentation · Georgetown Technical High School

2021**AUGUST 2021****Interdisciplinary Projects SJC**

Workshop presentation · St. John's College High School

AUGUST 2021**The 21st Century Teacher**

Workshop presentation · St. John's College High School

AUGUST 2021**Google Workspace & the Ubiquitous Classroom**

Workshop presentation · Georgetown Technical High School

AUGUST 2021**Google Workspace & the Ubiquitous Classroom**

Workshop presentation · St. Catherine Academy

AUGUST 2021**Google Workspace & the Ubiquitous Classroom**

Workshop presentation · St. Ignatius Primary School

2020**JUNE 2020****Google Workspace & the Ubiquitous Classroom**

Workshop presentation · St. John's College