Developer Proposal: UnMuseum Digital Platform

Black South West Network

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1. Executive Summary

I am a first-generation graduate and IT professional with deep expertise in web development, cloud infrastructure, and AI-powered solutions. My background uniquely combines **technical proficiency** with **meaningful community engagement** work—particularly with organisations supporting Black and racially minoritised communities.

Why I'm the right fit for UnMuseum:

- **Community-first approach**: Advisory roles with **FirstGens CIC**, **Enprise/Italian Blackpreneurs**, and **Di FELLOWS** demonstrate my commitment to empowering underrepresented communities through technology

- **Rapid prototyping expertise**: I build production-ready prototypes using **Lovable.dev** and modern frameworks—turning ideas into functional platforms within days

- **Product leadership**: Served as **Product Owner/Manager** for **PRGRSS** (April–September 2025), a global mentorship platform under **Global Purpose Enterprise (GPE)**, coordinating development teams across the UK and Pakistan timezones

- **AI integration specialist**: My dissertation on RAG architecture and ongoing work with AI agents positions me to bring cutting-edge technology to heritage preservation

The UnMuseum is not merely a technical build—it is a platform for **resistance, care, and imagination**. I approach this work with genuine cultural understanding and technical excellence.

2. Technical Approach

2.1 Platform Architecture

Technology Stack (Proven in Production):

Layer	Technology	My Experience
Frontend	Next.js / React	PRGRSS web platform, multiple Lovable prototypes
Mobile	React Native	PRGRSS mobile app (iOS/Android)
Backend	Node.js / Express / Firebase	Production systems serving global users
Database	PostgreSQL / Firebase	Scalable data architecture
AI Integration	RAG / LangChain / OpenAI/ Anthropic APIs	Diversita chatbot prototype, RAG dissertation (First Class)
Rapid Prototyping	Lovable.dev	5+ production prototypes built
Hosting	AWS/Azure	AWS re/Start certified, enterprise deployments

2.2 Live Portfolio - Lovable Projects

Project	URL	Description
PRGRSS Mentor Connect	prgrss-mentor-connect.lovable.app	Original mentor matching platform prototype
PRGRSS Mentor Connect V2	prgrss-mentor-connect-02.lovable.app	Refined mentor matching platform
PRGRSS Admin Dashboard	prgrss-admin-dashboard-ui-47.lovable.app/jobs	Admin interface for platform management
Mentor Dynamic Directory	mentor-dynamic-directory.lovable.app	Interactive mentor discovery system
Product Velocity Guide	chat-prd-pal-98.lovable.app/product-velocity	Product management workflow tool (Di FELLOWS)

2.3 Core Features for UnMuseum

Cultural Archive System:
- Multimedia upload (images, audio, video, documents) with community-defined

metadata
- Oral history recording with AI-powered transcription
- Geolocation mapping of heritage sites and stories across the South West
- Multi-language support for diverse communities

Community Engagement Tools:
- User profiles with contribution tracking and recognition
- Moderated storytelling spaces where multiple narratives coexist
- Event calendar integration for BSWN activities
- Educational resource library for schools and researchers

Administrative Dashboard:
- Content moderation workflow with community guidelines
- Analytics and NLHF impact reporting
- User management with role-based permissions

2.4 Co-Production & Distributed Agency

Following your Interpretative Plan principles:
- Community members submit, tag, and contextualise their own stories
- No hierarchical curation—multiple truths can coexist
- Built-in feedback mechanisms for continuous community input
- Accessibility features: screen readers, multiple languages, dyslexia-friendly fonts

3. Timeline and Milestones

Phase	Duration	Deliverables
Discovery & Design	Weeks 1-4	Community consultations, wireframes, technical specification
Development Sprint 1	Weeks 5-10	Core platform, authentication, CMS
Development Sprint 2	Weeks 11-16	Archive features, multimedia handling, search
Community Testing	Weeks 17-20	Beta testing, accessibility audit, refinements
Launch & Training	Weeks 21-24	Platform launch, staff training, documentation
Support Period	Months 7-12	Maintenance, bug fixes, feature enhancements

Total Duration: 12 months

4. Budget Breakdown

Category	Cost (£)	Notes
Discovery & Design	£3,500	Community consultations, UX research
Development	£12,000	Frontend, backend, database, integrations
Testing & QA	£2,000	Accessibility audit, security testing
Training & Documentation	£1,500	Staff training, user guides, video tutorials
Hosting Setup	£1,000	Cloud infrastructure, domain, SSL
Contingency (10%)	£2,000	Unforeseen requirements
TOTAL	**£22,000**	

Budget negotiable based on BSWN's allocation and scope priorities.

5. Community Engagement Strategy

5.1 My Proven Community Track Record

FirstGens CIC - Advisory Group Member (2023–Present)
- Supported first-generation university students through workshops and mentoring
- Spoke at national events on student retention and widening participation
- Connected universities with strategic approaches to support underrepresented students
- Worked directly with CEO Alaya on university partnerships and CIC development

PRGRSS / Global Purpose Enterprise - Product Owner/Manager (April–September 2025)
- Led product development for global mentorship platform connecting mentors across the UK and Pakistan
- Reported to André Spence, CEO of PRGRSS and Founder of GPE—a renowned social entrepreneur with 15+ years in entertainment and DEI consulting
- Managed cross-timezone development team with daily standups and sprint planning via Jira and Slack
- Built 4+ rapid prototypes using Lovable.dev to communicate features to Pakistan development team
- Collected user testimonials and conducted user acceptance testing sessions
- Created training videos and onboarding materials for mentors and mentees

Irene Vera Foundation (IVF) - Website Developer (October 2025–Present)
- Building website pro-bono for neurodiversity charity operating in UK and Zimbabwe
- Advising on accessibility standards, UI/UX design, and digital strategy
- Working with founder Hope and team on event planning and community outreach

Enprise / Italian Blackpreneurs - Technical Advisor (2025)
- Supporting Black entrepreneurs in UK and Italy with digital strategy
- Shared AI tools, LinkedIn algorithm insights, and growth resources
- Built LinkedIn Algorithm Simulator prototype to demonstrate social media mechanics
- Connected network with AI opportunities (Perplexity Fellowship, Translated grants)

Di FELLOWS - AI Consultant (2025)
- Advising Italian founder Laura on AI integration for maternal health platform
- Provided comprehensive AI education: RAG architecture, LangChain, agents
- Shared resources on Lovable.dev, product management, and MVP development
- Built Product Velocity Guide prototype
- Connected founder with AI Academy and industry resources

Getaway AI - Co-Founder / UI/UX Designer (May–June 2025)
- Co-founded AI-powered travel planning startup with Fizzy (Afifoluwa Akinyemi) and Jo
- Conducted deep research on AI agents, MCP (Model Context Protocol), RAG architecture
- Researched Firecrawl for web scraping and Laminar for AI agent observability
- Designed splash screen animations and user interface concepts

Technocamps - STEM Ambassador & Technical Trainer (2022–2024)
- Delivered LEGO robotics workshops to schools across Wales
- Ran coding clubs and science festival activities
- Trained educators on digital teaching strategies
- Worked with Ukrainian refugee children on technology workshops

5.2 Approach for UnMuseum

Co-Design Sessions:
- Facilitate accessible workshops with community members
- Use jargon-free language; ensure diverse voices are heard
- Meet people where they are—community centres, online, in homes

Iterative Feedback:
- Regular demos with community stakeholders
- Responsive adjustments based on real community input
- "Nothing about us without us" principle

Capacity Building:
- Train BSWN staff to manage the platform independently
- Create video tutorials and written guides
- Design intuitive interfaces requiring minimal technical knowledge

6. References and Portfolio

6.1 Technical Projects

Project	Description	Technologies
PRGRSS Platform	Global mentorship matching app - Product Owner (April–Sept 2025)	React Native, Next.js, Node.js, Firebase
Diversita AI Chatbot	AI assistant prototype for neurodivergent job seekers (proof of concept)	Python, NLP, RAG Architecture
Nyfasi E-commerce	Shopify site for haircare startup; helped launch first 500 units	Shopify, Digital Marketing
Lovable Prototypes	5+ rapid prototypes for PRGRSS, Di FELLOWS, and other clients	Lovable.dev, React, TypeScript
LinkedIn Algorithm Simulator	Interactive tool demonstrating social media mechanics	Claude AI, React
RAG Dissertation	"Levelling the Playing Field" - First Class Honours	Python, LangChain, Vector DBs

6.2 Credentials

- **BSc (Hons) ICT** – University of South Wales (2:1, Dissertation: First Class)
- **AWS Cloud Engineering re/Start** – Cardiff and Vale College (2024)
- **Digital Technical Mentor** – University of South Wales (23,000+ users)
- **STEM Ambassador** – Technocamps Wales
- **DBS Cleared** – Enhanced check completed

6.3 References

Available upon request from:
- **FirstGens CIC** – Alaya (CEO)
- **PRGRSS** / **Global Purpose Enterprise** – André Spence (CEO/Founder), Anthony (COO)
- **Irene Vera Foundation** – Hope (Founder)
- **Technocamps** – Laura Roberts, Rhys Williams
- **University of South Wales** – IT Services

7. Why Me?

1. **Technical Excellence**: Full-stack development, cloud infrastructure (AWS certified), AI integration, rapid prototyping with Lovable.dev—all skills needed for UnMuseum

2. **Community-Centred**: My work with FirstGens, Enprise, Di FELLOWS, PRGRSS, and IVF demonstrates commitment to building technology that empowers marginalised communities

3. **Cultural Understanding**: Deep connections to Black and minority communities through professional networks and personal relationships. I approach this work with genuine care

4. **Proven Delivery**: Led PRGRSS product development—a production platform with users across multiple continents. I ship working software

5. **AI Expertise**: My dissertation on RAG architecture and ongoing work with AI agents positions me to bring innovation to heritage preservation—imagine AI-powered oral history transcription, intelligent search, or chatbots that help visitors explore the archive

6. **Rapid Prototyping**: Using Lovable.dev, I can show BSWN working prototypes within days, not months—enabling true co-design with community members

8. Closing Statement

The UnMuseum is an extraordinary opportunity to create something truly meaningful—a living digital space where Black and racially minoritised communities across the South West can see themselves, tell their own stories, and preserve their heritage for future generations.

As someone who has spent years building technology for community organisations—from FirstGens supporting first-generation students, to PRGRSS connecting global mentors, to IVF empowering neurodivergent communities—I understand that the best platforms are built with communities, not for them.

I would be honoured to bring my technical skills, community engagement experience, and genuine passion for this work to help bring the UnMuseum vision to life.

Let's build something powerful together.

Andrea Enning
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