Andrea Enning

Full-Stack Developer | AI Integration Specialist | Technology Steward

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Professional Summary

First gen graduate and IT professional specialising in web development, cloud infrastructure, and AI-powered solutions. I operate as a **technology steward**—building organisations' capacity to own and sustain their digital futures rather than creating dependency. Proven track record coordinating cross-timezone development teams, rapid prototyping with Lovable.dev, and securing Microsoft nonprofit resources for community organisations.

Core Competencies: Full-Stack Development | AI/RAG Architecture | Rapid Prototyping | Cloud Infrastructure (AWS/Azure) | GRC & Compliance | Community-Centred Technology | Cross-Cultural Communication

Technical Skills

Category	Technologies
Frontend	React, Next.js, TypeScript, Tailwind CSS, HTML5/CSS3
Backend	Node.js, Express, Firebase, REST APIs
AI/ML	RAG Architecture, LangChain, OpenAI/Anthropic/Gemini APIs, Prompt Engineering
Cloud	AWS (re/Start Certified), Azure, LocalStack, Vercel, Netlify
Rapid Prototyping	Lovable.dev (293 sessions, 5+ production prototypes)
Database	PostgreSQL, Firebase, Vector Databases, Supabase
DevOps	Docker, GitHub Actions, CI/CD Pipelines
GRC	GDPR Compliance, Security Assessments, AI Ethics Frameworks

Professional Experience

PRGRSS / Global Purpose Enterprise — Product Owner/Manager

April 2025 – July 2025 | UK-Pakistan Coordination

- Led product development for global mentorship platform connecting professionals across UK and Pakistan
- Managed cross-timezone development team with daily standups, sprint planning via Jira and Slack
- Built 4+ rapid prototypes using Lovable.dev—reduced development miscommunication by 60%
- Created training videos and onboarding materials for platform users
- Collected user testimonials and conducted user acceptance testing sessions

Live Prototypes:
- prgrss-mentor-connect.lovable.app
- prgrss-admin-dashboard-ui-47.lovable.app/jobs

Irene Vera Foundation — Website Developer (Pro Bono)

October 2025 – Present | UK-Zimbabwe Charity

- Building website for neurodiversity charity supporting communities in UK and Zimbabwe
- Advising on accessibility standards (WCAG 2.1 AA), UI/UX design, and digital strategy
- Implementing hyper-legible typography and inclusive design patterns

Getaway AI — Co-Founder / UI/UX Designer

May – June 2025 | AI Travel Startup

- Co-founded AI-powered travel planning startup
- Conducted deep research on AI agents, MCP (Model Context Protocol), RAG architecture
- Researched Firecrawl for web scraping and Laminar for AI agent observability

Di FELLOWS — AI Consultant

2025 | Italian Maternal Health Platform

- Advised Italian founder on AI integration for maternal health platform
- Built Product Velocity Guide Lovable prototype
- Provided comprehensive AI education: RAG architecture, LangChain, AI agents

University of South Wales — Digital Technical Mentor

September 2023 – August 2024 | 23,000+ Users Supported
- Provided technical support for 23,000+ students and staff across multiple campuses
- Managed IT service desk operations, user training, and system troubleshooting
- Collaborated with Study Skills team on student digital literacy initiatives

University of South Wales — End User Computing Desktop Support

September 2023 – August 2024
- Enterprise-level IT support across multiple campuses
- System deployment, troubleshooting, and user training
- Hardware and software configuration for academic environments

Technocamps — STEM Ambassador & Technical Trainer

February 2023 – August 2024 | Wales-wide Education
- Delivered LEGO robotics workshops to schools across Wales
- Worked with Ukrainian refugee children on technology workshops
- Promoted STEM careers and digital skills to diverse student populations

Nyfasi — Executive Assistant

September 2020 – December 2020 | Afro-Caribbean Health Tech
- Supported Afro-Caribbean maternal health platform operations
- **Recently secured $5,000 USD Azure AI facility** through Microsoft nonprofit programme
- Navigated Microsoft compliance and GRC requirements for healthcare technology

Tesco — Customer Assistant

June 2016 – July 2020
- Customer service excellence in fast-paced retail environment
- Stock management, team collaboration, problem-solving under pressure
- Developed strong communication and interpersonal skills

Education

BSc (Hons) Information & Communication Technology

University of South Wales | 2021 – 2024
- **Classification:** 2:1 (Upper Second Class)
- **Dissertation:** First Class — RAG Architecture for AI-Powered Information Retrieval
- Modules: Software Development, Database Systems, Cloud Computing, AI/ML

AWS Cloud Engineering re/Start

Cardiff and Vale College | 2024
- Intensive cloud engineering bootcamp
- AWS Certified Cloud Practitioner preparation
- Hands-on projects with EC2, S3, Lambda, and infrastructure-as-code

Advisory & Community Roles

Organisation	Role	Focus
FirstGens CIC	Advisory Group Member	First-generation student support
Enprise / Italian Blackpreneurs	Technology Advisor	AI tools and growth strategies
Di FELLOWS	AI Consultant	Maternal health technology
Irene Vera Foundation	Website Developer	Neurodiversity charity

AI Platform Proficiency (Dec 2024 – Jan 2025)

Platform	Sessions	Application
Google AI Studio	1,491	Prompt engineering, model evaluation
NotebookLM	644	Research synthesis, document processing
Perplexity AI	548	AI-powered research
ChatGPT/OpenAI	390	Development assistance, API integration
Lovable.dev	293	Rapid prototyping

Platform	Sessions	Application
GitHub	2,081	Version control, collaboration
Azure	207	Cloud infrastructure

Total AI Platform Interactions: 3,800+ in 8 weeks

SFIA Skills Profile

Skill	Level	Evidence
Software Development (PROG)	4	PRGRSS platform, Lovable prototypes, Diversita chatbot
User Experience Design (HCEV)	4	Getaway AI UI/UX, PRGRSS interfaces
Systems Integration (SINT)	4	Multi-platform integrations, API development
Solution Architecture (ARCH)	3-4	RAG architecture dissertation
Machine Learning (MLNG)	3	RAG implementation, LangChain
Information Security (SCTY)	3	GRC frameworks, compliance audits
Stakeholder Management (RLMT)	4	Cross-timezone coordination
Teaching & Training (TEAC)	4	Technocamps, USW Digital Mentor

Intercultural Competence

- **Featured in Italics Magazine** — Article by Camilla Valerio (PhD researcher) on Afro-European identity
- **Contributed to EU-funded research** — €200K intercultural competence project
- **Multilingual:** English (Native), Italian (Heritage)

References

Available upon request from:

- **Gary Thompson** — Creative & Cultural Consultant, Film Programmer at Cables & Cameras CIC, Bristol
- **Laura Roberts** — Technocamps, Wales

- **Sally-Anne** — USW Study Skills Team
- **Alaya** — CEO, FirstGens CIC
- **Hope** — Founder, Irene Vera Foundation

DBS Enhanced Check: Cleared