

KEIRA JARVIS

Technical Instructor | Curriculum and Learning Design

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Portfolio: <https://keirajcoder.github.io/Portfolio-2024/>

GitHub: <https://github.com/KeiraJCoder>

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PROFESSIONAL PROFILE

Technical Instructor and Digital Learning Specialist with experience delivering software development, digital skills, and apprenticeship training across Level 2 to Level 4 provision.

Skilled in technical delivery, curriculum design, learner coaching, and structured resource development, supporting learners from entry level through to workplace aligned software development and apprenticeship pathways.

Experienced in creating accessible, practical learning experiences for mixed ability cohorts, including ESOL learners, career changers, and learners requiring additional support. Strong understanding of funded education, apprenticeship delivery, AI assisted workflows, and quality focused technical training.

CORE SKILLS

Technical Delivery and Coaching

- Multi-level technical instruction across Level 2 to Level 4 provision
- Software development teaching and apprenticeship delivery
- Technical coaching, learner progression, and workshop facilitation
- Differentiation, SEND support, and learner intervention strategies

Curriculum and Learning Design

- Curriculum planning and scheme of work creation
- Assessment design, project briefs, and workshop materials
- Structured resource development and learner support documentation
- Blended learning and accessible teaching approaches

Programming and Software Development

- HTML, CSS, JavaScript, Python, C#, Flask
- Frontend and full stack development principles
- Object-Oriented Programming and software design
- Debugging, testing, validation, and clean code practices

Databases and Development Practices

- MySQL, SQL queries, relational databases, and JSON structures
- Agile, Scrum, and Kanban methodologies
- Git workflows, GitHub, and version control practices

AI, Automation and Digital Technologies

- Prompt engineering and responsible AI usage
 - AI assisted debugging and workflow enhancement
 - Power Automate and automation workflows
 - AI supported resource development and learner support systems
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PROFESSIONAL EXPERIENCE

Technical Instructor & SEND Champion JustIT / Leep Group

February 2024 to Present

- Deliver Level 2 Digital and IT Skills programmes, Level 3 Software Development training, and Level 4 apprenticeship workshops across software development and digital skills provision
 - Teach programming, databases, Agile methodologies, testing, accessibility, version control, and workplace aligned development practices
 - Design and develop schemes of work, workshop materials, assessments, learner guides, and structured support resources aligned to apprenticeship and funded provision requirements
 - Support mixed ability cohorts including ESOL learners, career changers, apprentices, and learners requiring additional support
 - Integrate AI tools and automation workflows into technical delivery, including AI assisted debugging, learner productivity, and workflow improvement
 - Developed automated feedback systems and learner tracking tools to improve operational efficiency and delivery consistency across multiple cohorts
 - Provide technical coaching, learner intervention, and developmental feedback to support engagement, retention, and progression
 - Maintain alignment with safeguarding, compliance, quality assurance, and Ofsted related expectations
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Technical Instructor / Innovation Developer Code Nation

August 2022 to February 2024

- Delivered software development bootcamps and apprenticeship programmes across Level 2, Level 3, and Level 4 provision
- Taught Python, JavaScript, HTML, CSS, MySQL, and software engineering fundamentals through practical, project based delivery
- Designed and refined curriculum materials, workshop resources, and technical learning content aligned to employer and industry expectations
- Supported learners through full development lifecycles including planning, development, testing, debugging, and deployment
- Introduced AI assisted development approaches to improve learner productivity, debugging capability, and technical confidence
- Contributed to programme quality improvement through curriculum refinement, learner feedback analysis, and resource development

Diversity, Equity and Inclusion Lead

Code Nation

April 2021 to February 2024

- Led initiatives focused on accessibility, inclusion, and learner engagement across digital education programmes
- Supported underrepresented learners through mentoring, coaching, and tailored support strategies
- Represented the organisation at external events promoting diversity within technology education and careers

KEY ACHIEVEMENTS

- Delivered consistently strong learner satisfaction, retention, and progression outcomes across funded and apprenticeship provision
- Successfully delivered across multiple levels and learner groups while maintaining high engagement and achievement standards
- Designed structured learning resources and support systems improving learner understanding and reducing resubmission rates
- Created automated workflows and feedback systems improving operational efficiency and delivery consistency across cohorts
- Finalist for Tech Diversity, Equity and Inclusion Advocate of the Year 2023

EDUCATION AND CERTIFICATIONS

AET Qualification

South London College

Databricks Accredited Generative AI Fundamentals

Databricks Academy

Building AI

University of Helsinki

Elements of AI

University of Helsinki

Software Developer Certification

Code Nation

Programming Foundations with JavaScript, HTML and CSS

Duke University

Programming for Everybody

University of Michigan

BA Hons Counselling with Psychology

University of Chester

PROJECTS

Mood Tracking and Engagement Web App (Alyssa's App)

Developed a full stack web application featuring interactive activities, mood tracking, guided prompts, and user engagement tools designed to support communication and accessibility.

Energy Management Progressive Web App (Spoons App)

Built a Progressive Web App focused on energy management, task tracking, self-care support, and offline accessibility using structured frontend development principles.

Author Website and Interactive Chatbot Platform

Designed and developed a responsive author website featuring custom JavaScript functionality, interactive UI components, and integrated chatbot features.

Pet to Vet Android Game

Developed a multi-level Android game using Kotlin and SurfaceView, featuring game loops, collision systems, dynamic obstacle spawning, scoring mechanics, and responsive touch controls.

INTERESTS

- Writing and publishing young adult fiction
- Photography with work featured in international galleries
- Motorcycle touring and travel