

ISAAC LOVELACE YANNEY

TECHNICAL PROJECT APPENDIX

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Project methods, decisions, evidence boundaries and
interview discussion points.

BERLIN	AVAILABLE
Germany	Immediately
LANGUAGES	WORK STATUS
English native · German B2	No sponsorship required

isaac.yanney@web.de
linkedin.com/in/isaac-lovelace-yanney
github.com/isaacyanney

SUPPORT

USER FOCUS

OPERATIONS

CONTROLLED PRACTICE

DOCUMENTATION

VERIFIED EVIDENCE

01 INDEPENDENT PROJECT

IT Support Operations Toolkit

Purpose

Create a repeatable, security-conscious first-response toolkit for Windows support without changing the target machine.

Approach and features

- PowerShell; read-only collection
- Gateway, DNS and TCP-path checks
- JSON output for traceable review
- Incident and onboarding runbooks
- Automated syntax and JSON validation

Evidence boundary

Verified public repository: source code, safe synthetic outputs and successful automated validation.

Interview focus

Explain the reasoning, limitations, validation approach and next improvement. Use repository evidence rather than memorised claims.

02 TECHNICAL LAB

Microsoft Identity, Endpoint & Server Administration

Purpose

Practise identity, endpoint and server workflows without representing laboratory work as production administration.

Approach and features

- Joiner-mover-leaver documentation
- MFA and Conditional Access scenarios
- Endpoint compliance and controlled changes
- AD DS organisational units and groups
- DNS, GPO, PowerShell and Pester
- Synthetic test data

Evidence boundary

Verified public lab repositories: source, behavioural tests, synthetic data and successful automated validation. No live-tenant or production deployment claim.

Interview focus

Explain the reasoning, limitations, validation approach and next improvement. Use repository evidence rather than memorised claims.

03 PRACTICE FRAMEWORK

Workplace Collaboration & Meeting-Room Support

Purpose

Create a calm, traceable troubleshooting path for common meeting-room failures.

Approach and features

- Power and cabling checks
- Source/display and AV signal paths
- Camera, microphone and audio routing
- USB and docking isolation
- Connectivity and platform-status checks
- Room/booking workflows and escalation

Evidence boundary

Verified public practice framework: synthetic inventory, runbooks, tests and successful automated validation. No production fleet ownership claim.

Interview focus

Explain the reasoning, limitations, validation approach and next improvement. Use repository evidence rather than memorised claims.

04 INDEPENDENT ML PROJECT

Confidence-Aware Visual Inspection

Purpose

Train and evaluate a six-class PyTorch CNN on procedural textures, then package a confidence-aware API.

Approach and features

- PyTorch CNN training on procedural textures
- Held-out accuracy, class metrics and confusion matrix
- Calibration error and explicit review threshold
- FastAPI prediction and health endpoints
- Checkpoint and metrics workflow artifact
- Docker packaging and GitHub Actions validation

Evidence boundary

Verified public repository: PyTorch training pipeline, held-out synthetic evaluation, confidence-policy tests, checkpoint artifact and successful automated validation. No real-image, business-impact or production-use claim.

Interview focus

Explain the reasoning, limitations, validation approach and next improvement. Use repository evidence rather than memorised claims.

Credible claims start with clear labels

Independent project	Built and documented outside formal employment; features require repository evidence.
Technical lab	Controlled learning environment using test or synthetic data; not production administration.
Practice framework	A documented troubleshooting structure; not proof of fleet ownership or customer delivery.
Guided practical training	Unpaid, intermittent practice completed under guidance; not employment or contracting.

Repository verification	Public source, README files, tests, workflows and available artifacts were checked before the detailed project claims were published.
No invented outcomes	No unsupported percentages, user counts, time savings, endorsements, production-use claims or repository statistics.
Interview standard	Every public statement must be demonstrable in the repository or explainable as a clearly labelled lab, project or practice framework.

Technical foundation

Google IT Support Professional Certificate · AI Engineering and Computer Vision further education · B.Sc. Physics with Computing concentration · guided IT support and rollout practice.

Contact

isaac.yanney@web.de · LinkedIn · GitHub