



GenAIOps

Why?

What Is The Centre For GenAIOps?

genaiops.ai



What is GenAIOps ?

GenAIOps is an emerging approach that aims to provide teams with the tools, practices, and frameworks needed to effectively manage the unique complexities, scalability, and security challenges introduced by Gen AI in development and operations.

So Why GenAIOps?

Meet The Team and Their World



Dave – The Software Developer



Deterministic Development

- Clear Rules and Logic
- Binary Feedback
- Predictable Outputs

Tina – The Test Engineer



Structured Validation

- Definitive Testing Metrics
- Specific Acceptance Criteria
- Automated Testing Tools

Arnold – The Architect



Controlled Architecture

- Managing Predictable Costs
- Sound Security Practices
- Established Architecture Practices

The New World

GenAI Demand





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New Challenges

The Nature of Generative AI



“Mate, I’ve read the whole internet, I know everything”



“Yes, absolutely! I know the answer to everything! Wait...what was the question again?”

Key Global Challenges

Overconfident and Unreliable Outputs

- Confidently Incorrect Responses
- No Clear Error Indicators
- Inconsistent and Unpredictable Behavior

Erosion of Trust

Over time, frequent inaccuracies and confidently wrong outputs from AI can erode trust in both the system and the team's ability to deliver reliable, functional solutions.



Example: How This Impacts The Team



Increased Complexity in Development

- Extra Debugging Efforts
- Unclear Error Paths
- Inconsistent Code Behaviour



Uncertainty in Testing

- Difficult Test Validation
- Subjective Acceptance Criteria
- Testing for Ethics and Bias



Instability in Architecture

- Cost Overruns
- Security Vulnerabilities
- Difficulty Adapting to AI Growth

No Clear Solution

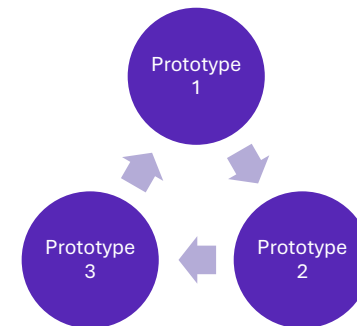
Lack of Tools

The team can't find existing tools to address these emerging AI challenges, as many are still evolving or simply don't exist yet.

No Place for New Skills and Frameworks

There's no established place for the team to gain the necessary new skills or follow structured frameworks for managing AI systems.

As a result - Businesses faces increased costs, unreliable innovation, and lost competitive advantage



What Do They Need?



Structured GenAI Development Practices

- Simplified Debugging Tools
- Clear Error Tracking
- Consistent Code Execution



Evaluation Driven Framework

- Dynamic Validation Tools
- Automated AI Testing Solutions
- Flexible Testing Methodologies



Well-Architected Framework

- AI Lifecycle Management
- Enhanced Security Protocols
- Cost Management Tools



Why GenAIOps?

**An Interdisciplinary Framework Doesn't
Exist - GenAIOps Is *Needed* So That
People and Business Can Successfully
Adopt GenAI**

Get Involved!