

Generative AI for Building Smarter Tech Foundations

Ashwini Kumar Rath

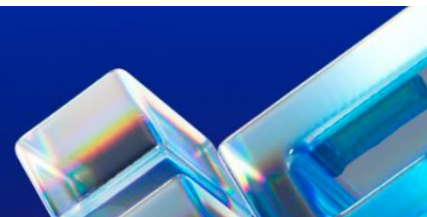
Founder and CEO



www.batoi.com

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ONE AI FORUM



What and Why - An Introduction



Software coding, infrastructure configurations, and system designs.



Beyond automation to help generate new solutions and configurations autonomously, tailored to your specific needs.



By 2025, 70% of new applications developed by enterprises will use generative AI

- **Gartner**

Why is it important?




They need agile, cost-effective, and scalable technology solutions.




With Generative AI, automate and optimize technical foundations - grow quickly and sustainably.

How Generative AI Simplifies Infrastructure

AI-Driven Infrastructure Setup

 It reduces errors, speeds up development, and ensures an optimized setup.

 AI can dynamically manage resources based on workload and usage patterns.



96% of companies plan to expand their AI compute infrastructure, with 60% opting for cloud-based solutions.

- **ClearML**

Automating Repetitive Tasks

Infrastructure as Code (IaC) Automation

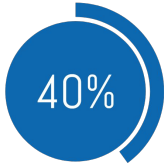


1. Reduce manual coding efforts
2. Quick deployment.



AI developer creates and updates infrastructure configurations

Enhancing Scalability with Generative AI



AI adoption can improve scalability by up to 40%, providing the necessary agility for startups to grow effectively.

- **McKinsey**

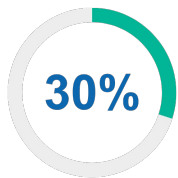
Scalable Architecture Design - Use Case

A startup using generative AI to design microservices architecture that grows with customer demand.



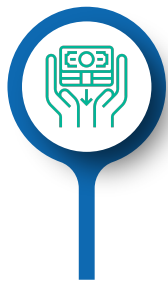
This reduces the need for complete re-engineering and avoids bottlenecks.

Real-World Use Cases



Businesses using AI-driven infrastructure management have reported cost savings of up to 30%.

- Deloitte



Optimizing Cost and Resources



Reducing Complexity for Developers

Practical Tools for Startups



Pulumi / Terraform with AI Assistance

Automate infrastructure management



Kubernetes + AI

Use AI to manage container orchestration for better resource optimization



Generative Pre-trained Transformers (GPTs)

Assist in generating code snippets for infrastructure management, reducing setup time



Autonomous Platforms like Batoi RAD

Use AI-driven tools and microservice-based architecture for applications for business.

Accessible for Non-Technical Teams

Overcoming Challenges



Challenges with Generative AI

• **Initial Setup and Training**

• **Bias and Ethical Concerns**



- Start small and use pre-built models for common infrastructure needs
- Work with experts to ensure best practices in AI adoption

Looking Ahead: The Future of AI in Tech Foundations



Self-Optimizing
Systems

Continuous
Learning for
Optimal
Efficiency



Encouraging
Early Adoption

Thank You

For more information on Batoi, contact:
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Personal information and contact:
www.ashwinirath.com