

# DevSentinel AI

The First Secure-by-Design Autonomous Development Platform

Azure DevOps. Writes Secure Code. Deploys Instantly.

Team ID: Auto-250290



Made with **GAMMA**



# Software Delivery is Broken

## The Boilerplate Burden

Developers spend nearly **40% of their time** on repetitive boilerplate code and costly context switching, hindering innovation.

## Speed vs. Security Dilemma

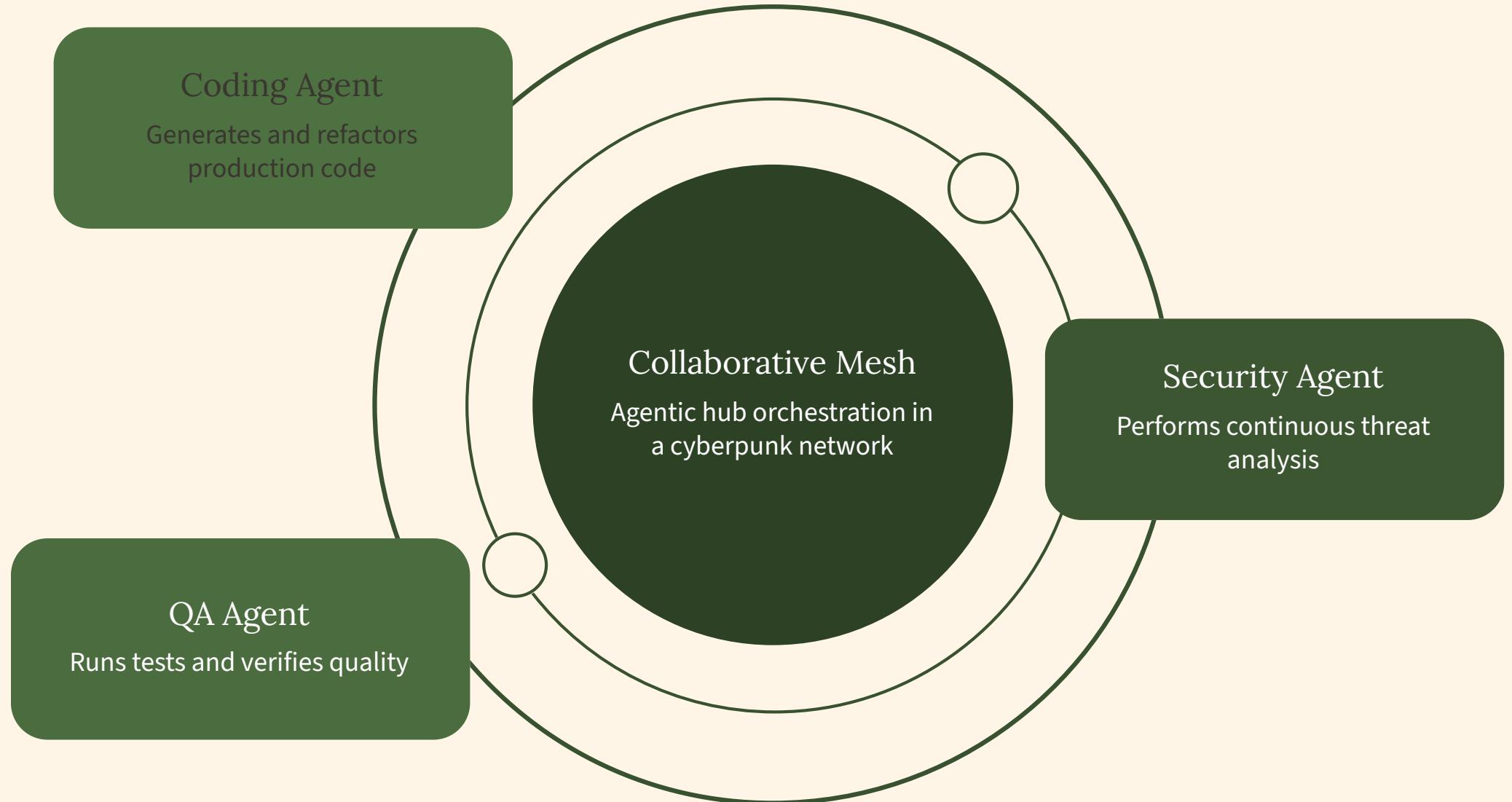
The constant trade-off: **fast code often means insecure code.** Enterprises struggle to balance rapid deployment with robust security.

## Slow Story to Code Cycle

Converting complex Azure DevOps User Stories into functional code **takes days, not minutes**, slowing down the entire development lifecycle.

# Meet the Swarm: Agentic Orchestration

DevSentinel AI introduces a **collaborative mesh of specialized AI agents**, operating in a continuous, self-optimizing feedback loop.



Unlike traditional approaches, we don't just code. **We Audit.** DevSentinel seamlessly integrates a dedicated "Security Agent" directly into the generation pipeline, ensuring secure code from inception.



# The Agent Squad: Role-Based Autonomous Agents



## The Architect (PM)

Parses Azure DevOps stories, defining technical stack and architectural schema.



## The Builder (Coder)

Generates full-stack code across diverse technologies (React, Node, Python).



## The Sentinel (Security)

**Key Innovation:** Proactively scans for OWASP vulnerabilities and auto-patches before compilation.



## The Critic (QA)

Writes and executes comprehensive Unit and Integration tests to ensure code integrity.

# From User Story to Deployment: The Workflow

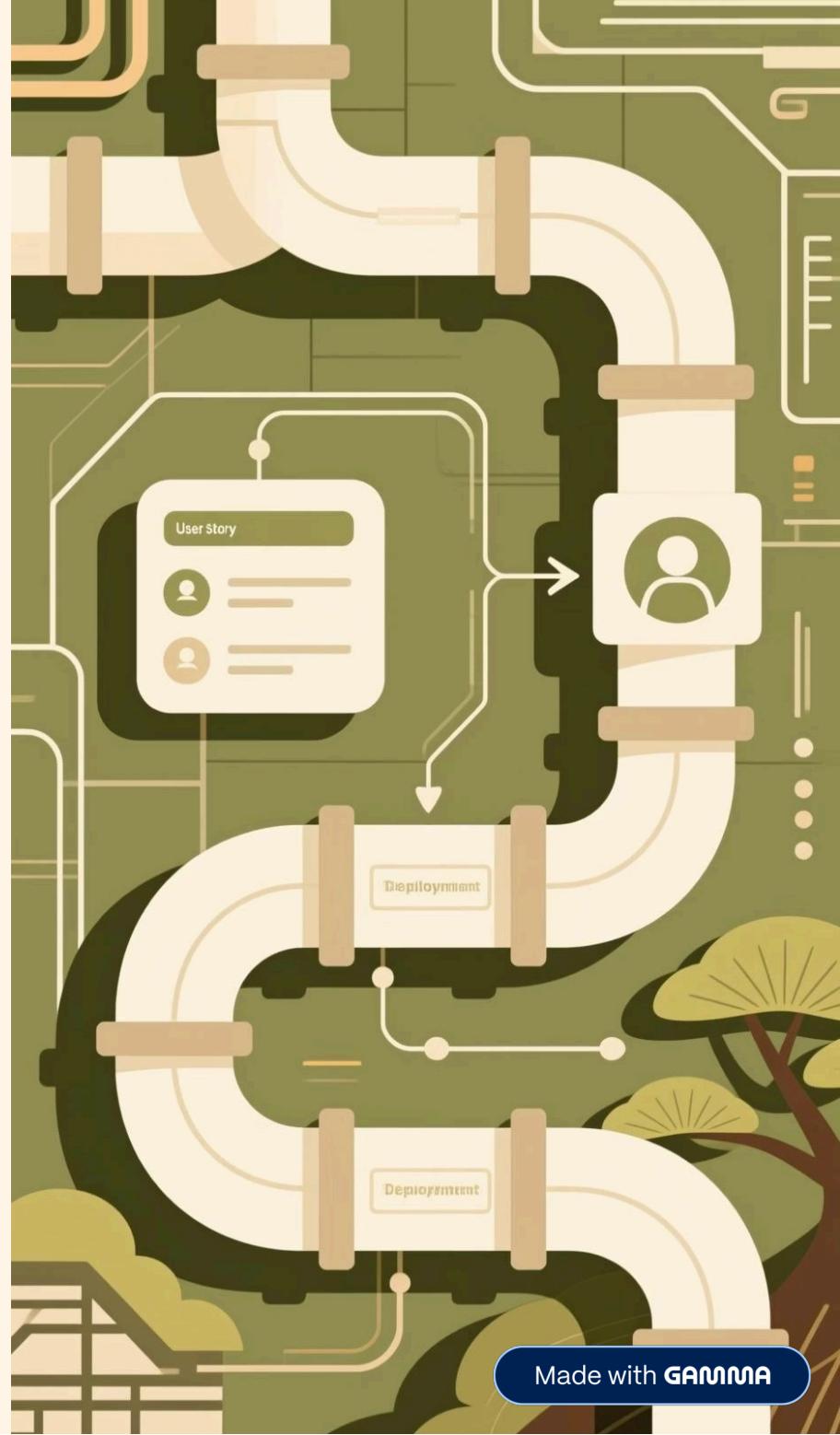


Ingests user stories directly from Azure DevOps (ADO).

Architect, Builder, and Critic agents generate code and tests collaboratively.

The Sentinel Agent rigorously audits and approves the build for security compliance.

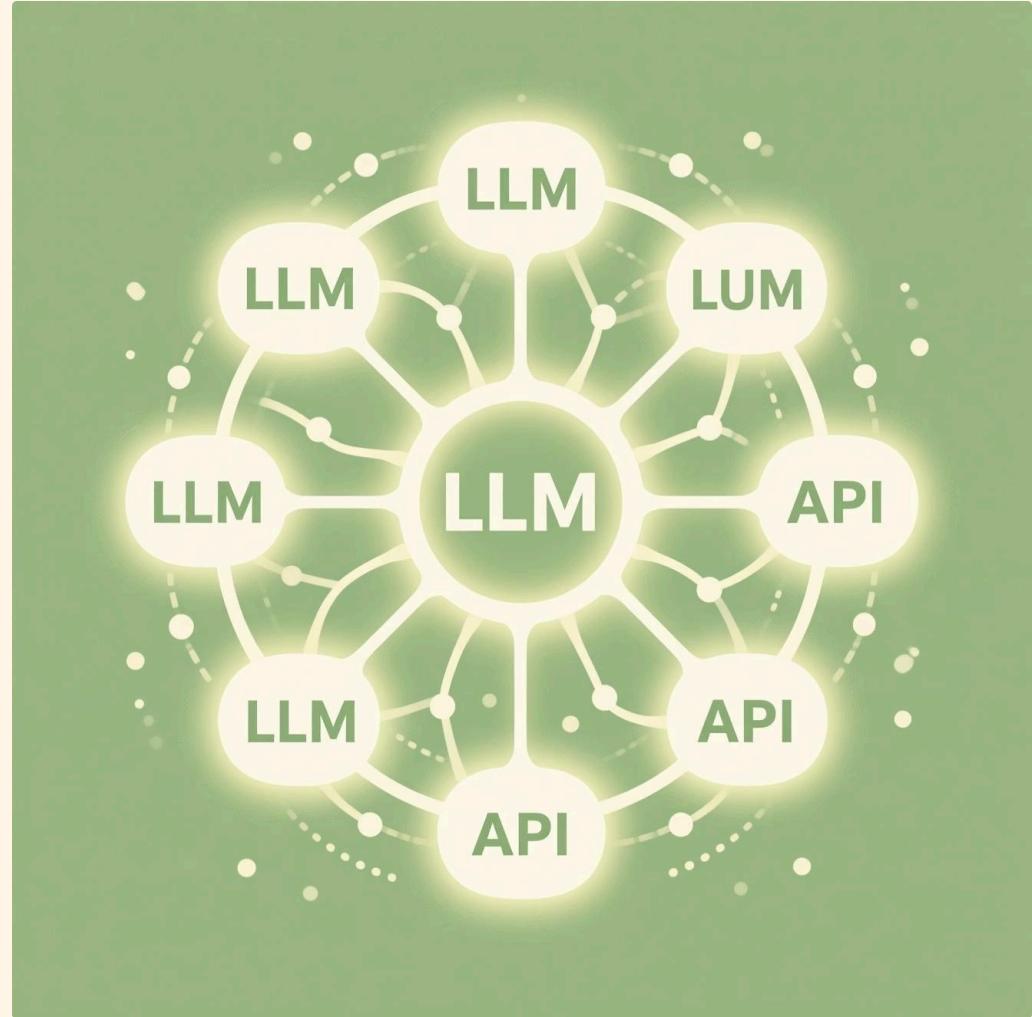
Automated commit to GitHub, triggering CI/CD pipeline for instant deployment.



# Feasibility & Tech Stack

- **LLMs:** GPT-4o (High-level Logic) + DeepSeek Coder (Optimized Implementation).
- **Orchestration Framework:** LangChain / AutoGen for seamless agent interaction and workflow management.
- **Integrations:** Azure DevOps API, GitHub API, SonarQube (simulated via Security Agent).

Our modular architecture allows for future LLM and tool integrations, ensuring adaptability and continuous improvement.





# Impact: 10x Dev Productivity

10x      0-Day      100%

## Productivity Boost

Accelerate development cycles from days to minutes, maximizing developer output.

## Vulnerability Detection

Catch critical vulnerabilities at the source, eliminating costly post-deployment fixes.

## Enterprise Integration

Seamlessly integrates with existing Azure DevOps workflows, reducing friction.



# Autonomous. Intelligent. Secure.

DevSentinel AI redefines the future of software development, delivering code that is not only functional but inherently secure from its inception.

Ready to Deploy the Future.



# The Cybernetic Advantage

In a landscape where speed and security are often at odds, DevSentinel AI offers a symbiotic solution. Our platform provides an unparalleled advantage by weaving security into the very fabric of autonomous code generation.

## Proactive Security

- Eliminate retrospective security patching.
- Reduce attack surface from day one.
- Compliance built-in, not bolted on.

## Unleashed Innovation

- Free developers from mundane tasks.
- Accelerate feature delivery and market entry.
- Focus human talent on complex problem-solving.



# Join the Revolution

DevSentinel AI is more than a platform; it's a paradigm shift. Experience the convergence of AI, security, and developer productivity.



Accelerate

Your development cycle.



Fortify

Your codebase's security.



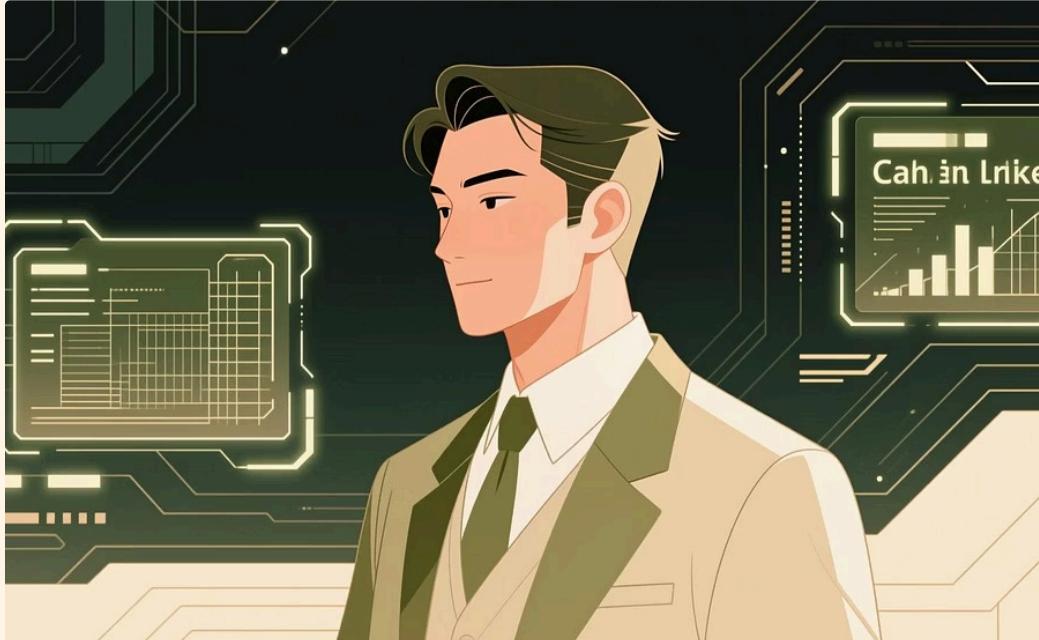
Empower

Your engineering team.

## DevSentinel AI: The Future is Now.

# Built by Humans. Powered by Agents.

The Engineering Team behind DevSentinel AI.



Naveen Patil

**Lead Architect & Security Engineer**

Driving Agent Orchestration, OWASP Security, and LLM Logic.



Panav Payappagoudar

**Full Stack Engineer**

Specializing in Azure DevOps Integration, Scalable Backend, and UI/UX.

"We don't just write code. We engineer intelligence."