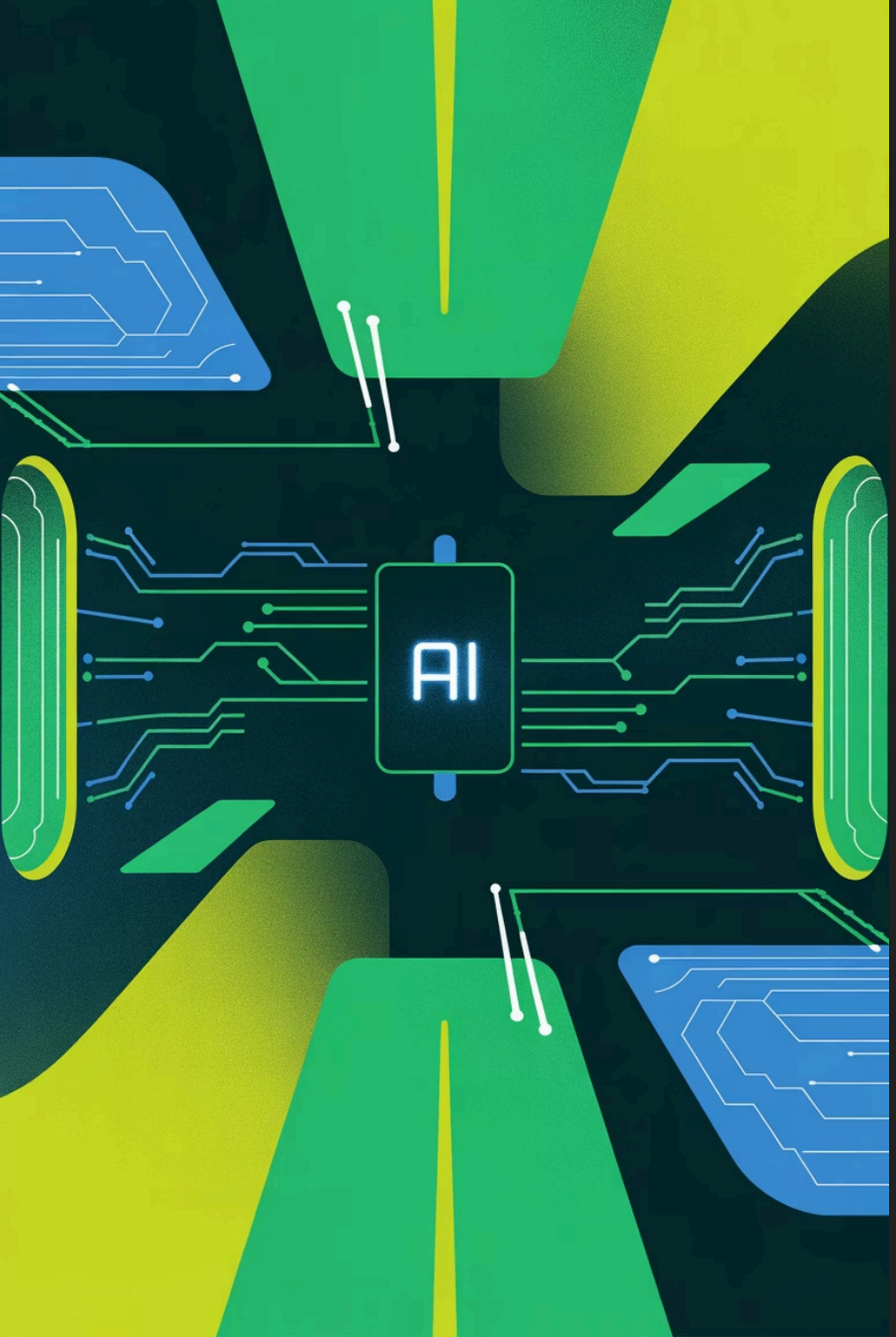


Multi-Agent DevOps Incident Analysis Suite: Jarvis 1.0

AI enabled Innovative Solutions for DevOps Incident Management

Transforming incident response from hours to seconds with intelligent multi-agent AI orchestration

Outskill | Nov 2025 | C2 Cohort | Group4

Current Challenges in Incident Management

DevOps teams face critical bottlenecks that drain resources and slow resolution times. Traditional incident management creates costly inefficiencies across engineering organizations.

2+

Hours per Incident

Average time engineers spend troubleshooting each issue

$200+

Cost per Analysis

Financial impact of manual investigation and resolution

60-70%

Human Error Rate

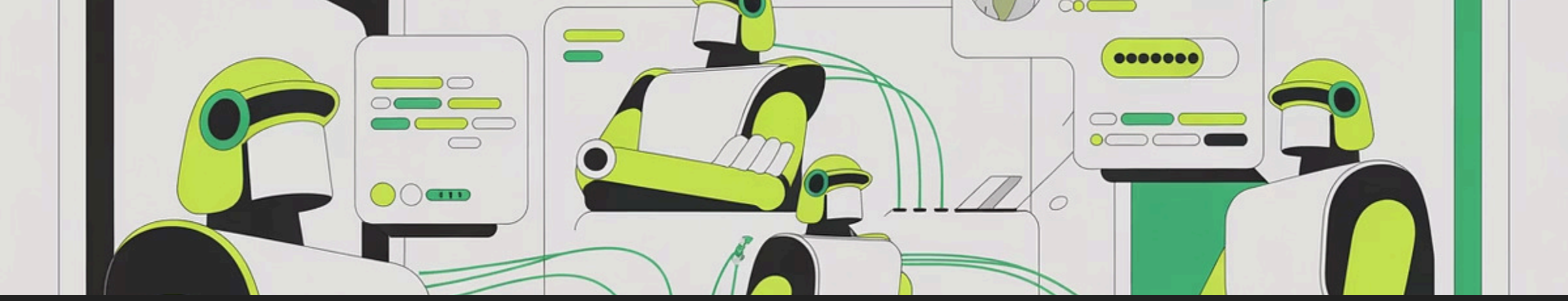
Diagnostic accuracy with manual analysis approaches

Operational Pain Points

- Knowledge silos limit debugging to senior engineers only
- No learning system for recurrent issues
- Business hours constraints while incidents never sleep

Real Impact

Engineers working through the night, escalating operational costs, missed SLA targets, and lost business opportunities due to prolonged downtime.



AI-Powered Multi-Agent Incident Management

JARVIS deploys six specialized AI agents orchestrated by LangGraph to resolve incidents in just 30 seconds. Each agent handles a specific function, working in seamless collaboration.

Log Classifier

Intelligent parsing and classification of operational logs

Remediation AI

RAG + FAISS + MCP for instant solution delivery

Slack Notifier

Real-time incident alerts and status updates

Cookbook Generator

Creates actionable runbooks and playbooks

JIRA Creator

Automatic ticket generation and tracking

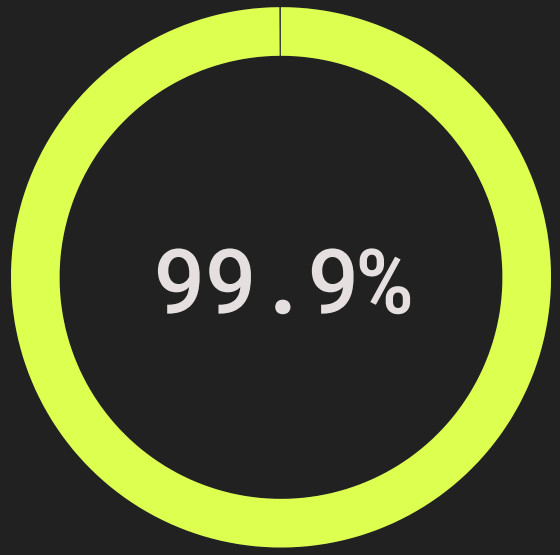
RCA Agent

Root cause analysis using Five Whys methodology

Transforming Incident Management

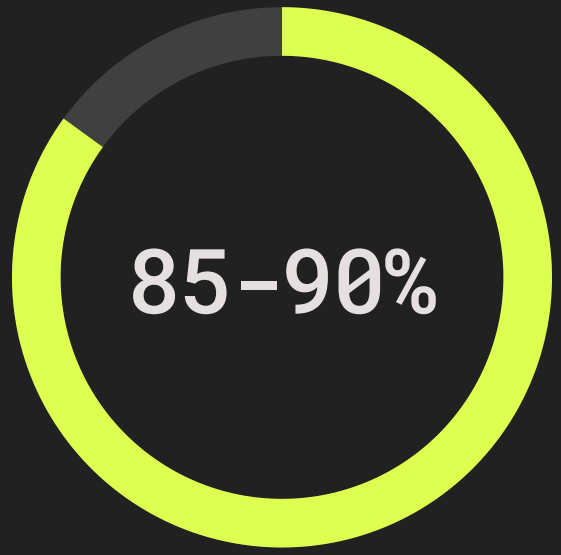
Faster Resolution

From 2+ hours to 30 seconds



Cost Reduction

From $200+ to $0.15 per analysis



Diagnostic Accuracy

First-time fix success rate

Operational Excellence

- **1.9 hours saved** per incident for engineering teams
- **24/7 availability** without human fatigue
- **Infinite scalability** across all environments

Business Value

Continuous operations with no downtime gaps, dramatic cost savings that scale with incident volume, and consistent accuracy that improves over time through machine learning.

What Sets JARVIS Apart

Real-Time Capabilities

- **Agent Execution Timeline**: Watch agents collaborate live
- **Dynamic Business Impact Dashboard**: ROI and metrics in action
- **Performance Metrics**: Per-agent execution tracking
- **Live Status Updates**: Pending → Processing → Completed

Advanced AI

- **RAG-Powered Remediation**: FAISS vector search for faster, accurate solutions
- **Root Cause Analysis**: Five Whys method for structured insights
- **Multi-Model Support**: OpenAI GPT and OpenRouter flexibility

Integrations

Slack & JIRA integration enables seamless workflows, automated notifications, and ticket creation. Teams stay synchronized without context switching or manual handoffs.

System Architecture & Collaboration Flow

LangGraph orchestrates intelligent agent workflows from log upload through complete resolution. Each component plays a specialized role in the incident response pipeline.

Log Upload

Incident logs enter the system

Log Classifier

Initial parsing and categorization

Orchestrator

LangGraph coordinates agent execution

Resolution

Complete incident remediation

Analysis Layer

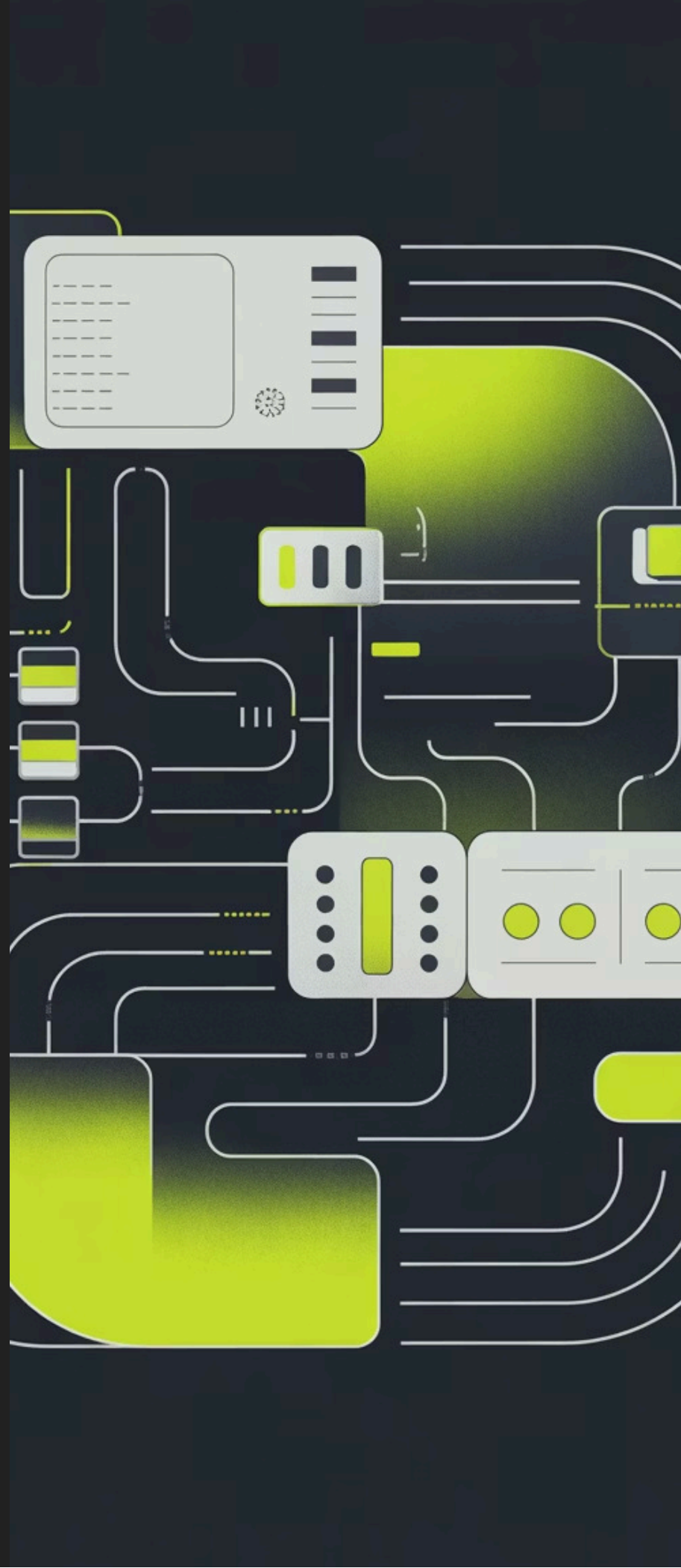
Remediation AI delivers fixes with rationale using advanced RAG techniques

Communication Layer

Slack Notifier pushes real-time updates and **JIRA Creator** generates tickets

Knowledge Layer

Cookbook Generator builds playbooks while **RCA Agent** performs root cause analysis



Experience JARVIS Live

01

Watch Real-Time Agent Collaboration

See all six agents work simultaneously to resolve incidents

02

Explore the Timeline & Business Impact

Track execution metrics, ROI calculations, and live agent statuses

03

Review Generated Outputs

Examine RCA reports, incident playbooks, and JIRA tickets

04

Experience End-to-End Resolution

Follow the complete journey from detection to resolution in under 30 seconds

Meet the Team: Sushil (Project Lead), Ramesh (Slack/JIRA Integration), Girish (UI/UX), Anindita (Orchestrator), Dinesh (Developer), Jayanthi (Orchestrator/Management), Vasanth (QA)