

# ICANIO

TECHNOLOGIES

“We bring your  
ideas to life.”



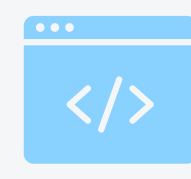
## Who are we ?

- Icanio Technologies is an **AI-native** IT services company dedicated to helping organizations transform and thrive in a digital-first world.
- Trusted global partner with a strong presence **in India, USA, and Singapore** and Driven by **200+ expert engineers** delivering excellence at scale
- Powering digital success for clients worldwide — from **agile startups to Fortune 500** leaders, accelerating innovation with **cutting-edge IT solutions**

## We Specialize in :



Data &  
Artificial Intelligence



Application  
Development



DevOps & Cloud  
Engineering



Support  
Engineering

## Our Key Milestones

200+

AI Enabled  
Product Engineers

40+

Successful  
Projects

93%

Client Satisfaction  
Rate

6+

Years in  
service



# Brands we've served

Banking & Finance	Communication, Media & Tech	Education & HR Tech	Health Care & Insurance	Others
      	          	    	     	      

## Our Reach

Our footprint has reached **6 continents** & **12 countries** through **30+ Clients**





# Leadership



## Jebastin Prabaharan

CEO & Co-Founder



- **20+ years** of experience building innovative products and services across **startups** and **large enterprises**
- Over **10+ years** leading **technology-driven, large-scale digital transformation initiatives**
- Proven strength in building and scaling **high-performing teams**



### Walgreens (2013–2019)

- Lead implementation of Walgreens **One Digital Architecture** supporting Mobile and Web
- Designed and Lead the **Cloud Native, Polyglot, Composable Microservices** Architecture for Walgreens Digital



### BestBuy (2011–2012)

- Implemented **Chef based infrastructure** provisioning to handle Holiday Workload
- Built the **Search Platform** powering Bestbuy's Web and Mobile Platform



### Photon Infotech (2010–2011)

- Designed and implemented **Photon's Phresco** to simplify and streamline CI/CD process for all technology projects
- Assembled a team of **200+ engineers** and delivered cutting edge projects for clients



### Infravio / webMethods / Software AG (2004–2011)

- **SOA Governance Product Development** for Service Definition and Runtime Management
- Part of **SOALink initiative** for defining SOA Governance global standard



## Rajasekaran S

COO & Co-Founder

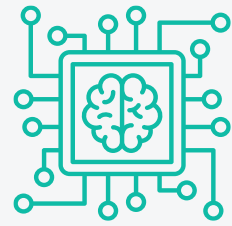
- **20+ years** in IT industry
- **5+ years** professional experience in the USA
- Worked with **Fortune 100** companies **AT&T, Philips** and **Estée Lauder**
- Extensive expertise in IT **operations management** and critical IT **Support systems**
- Experienced in driving **digital transformation initiatives**



## Angeline Anita

CFO & Co-Founder

- **16+ years** of experience in **Accounting** and **Auditing**
- **10+ years** of professional experience in **Singapore**
- Managed accounts for clients across the **US, Singapore, and Middle East**
- Expertise in **financial reporting, compliance**, and statutory audits
- Skilled in handling **multi-currency** and **cross-border** transactions
- Strong track record in **stakeholder management** and **financial governance**



## Data and Artificial Intelligence

- Agentic AI & Intelligent Automation
- Generative AI
- Natural Language Processing
- Chatbots & Virtual Assistants
- Computer Vision & Speech
- Predictive Analytics



## DevOps and Cloud Engineering

- Cloud Transformation Services
- Cloud Security and Governance
- Cloud Cost Engineering
- Monitoring & Support
- Continuous Integration and Deployment
- Configuration Management and IaC



## Application Development

- Web and Mobile Application Development
- API / Microservices Development
- Application Modernization
- SaaS and Enterprise Application Development
- Low-Code/No-Code Development
- Quality Assurance Services



## Support Services

- 24/7 – L1, L2 and L3 Support
- ISO 27001 Compliant Operations
- Infrastructure Monitoring & Management (NOC)
- Application Support and Maintenance
- Security Monitoring and Support (SOC)
- Helpdesk & User Support



# Self-hosted JIRA Data Center on AWS

## Problem

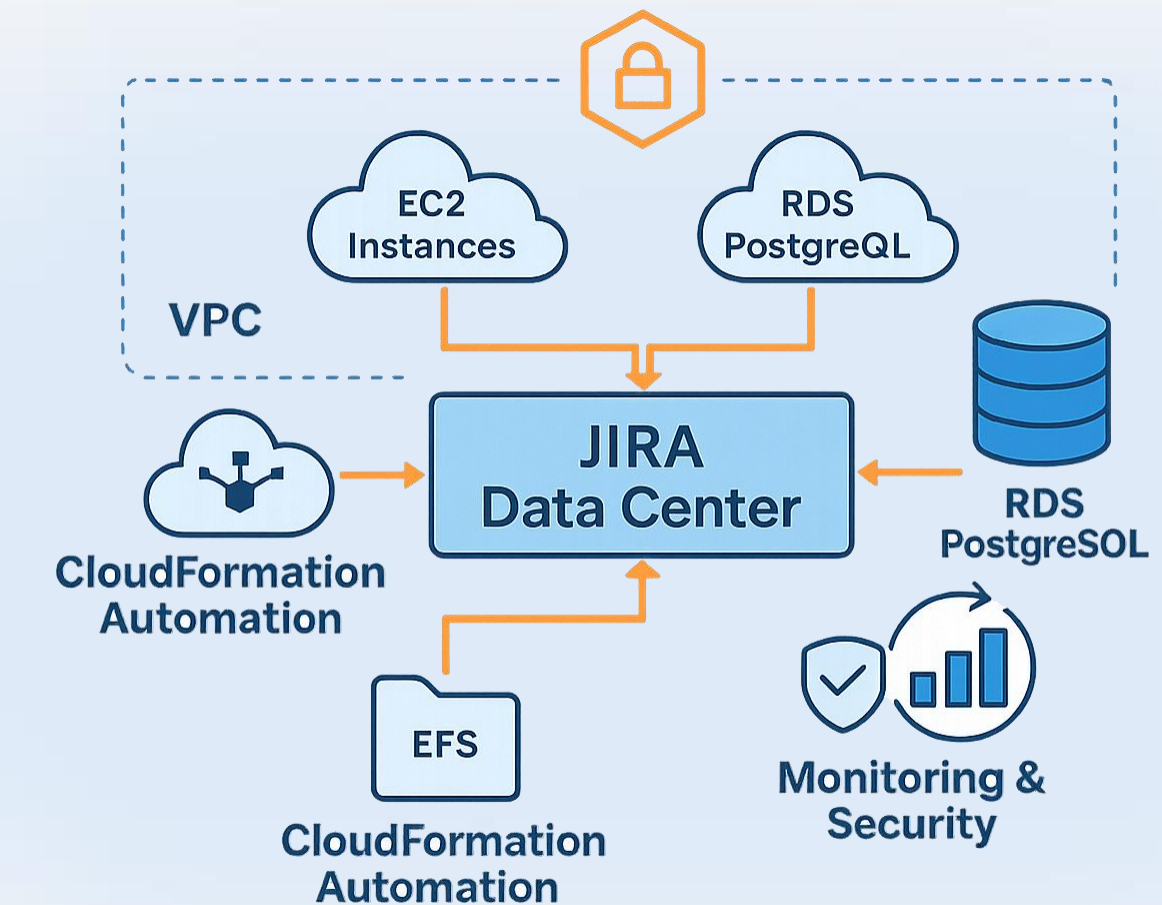
Amazon wanted to reduce JIRA Cloud licensing costs while maintaining performance, security, and scalability. The goal was to self-host JIRA Data Center on AWS for cost efficiency and better control.

## Solution

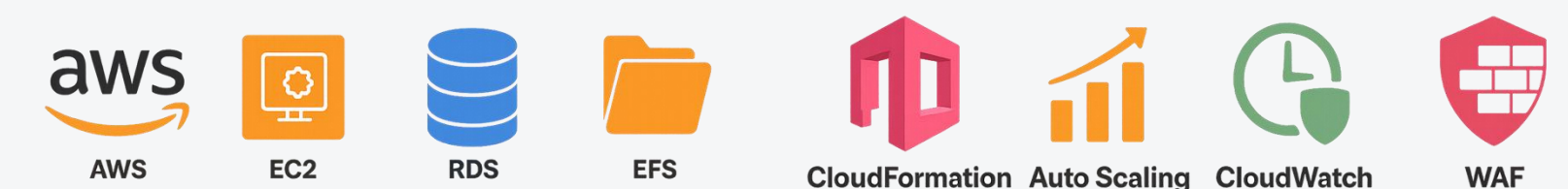
- Deployed JIRA Data Center on AWS EC2 instances using CloudFormation templates.
- Configured VPC with public/private subnets, Application Load Balancer with SSL, and Auto Scaling.
- Implemented Amazon RDS (PostgreSQL) with Multi-AZ for HA and Amazon EFS for shared storage.
- CI/CD Automation: Integrated AWS Backup for automated backups and CloudWatch for monitoring.

## Key Business Outcomes

- 50% Cost Reduction – Eliminated licensing dependency with self-hosted JIRA.
- High Availability & Scalability – Auto-scaling infrastructure for performance optimization.
- Enhanced Security & Compliance – Integrated AWS security best practices. Improved Backup & Monitoring – Automated backups & real-time performance tracking



## Technologies used



# Personalized AI Sports Coaching Assistant

## Problem

Sports organizations and analysts often rely on manual video review for extracting performance insights, which is time-consuming and inconsistent. There's a growing need for AI-driven tools that can automatically detect players, track movements, recognize jersey numbers, and classify game types across multiple sports.

## Solution

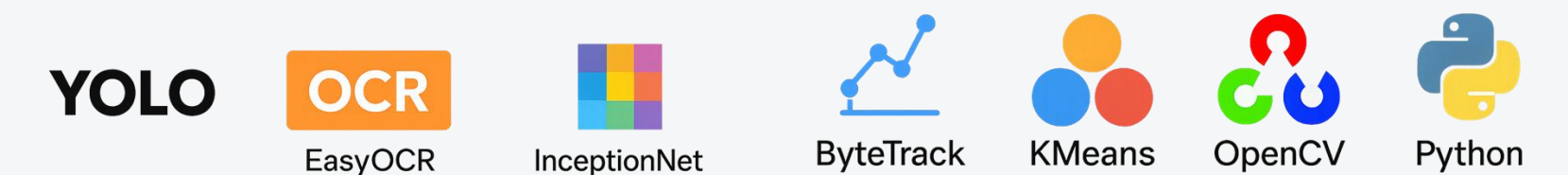
- **Multi-Sport Detection & OCR Integration:** Used YOLO models and EasyOCR to detect players and accurately recognize jersey numbers across basketball and football videos.
- **Team Classification & Tracking:** Applied color-based KMeans clustering and YOLO + ByteTrack to classify teams and consistently track player movements in ice hockey and football.
- **Tennis-Specific Analysis:** Deployed YOLOv12n for tennis player and ball tracking, with additional logic to calculate speed metrics from positional data.
- **Sport Classification via Deep Learning:** Trained an InceptionNet model to automatically classify sports type (e.g., Soccer, Basketball, Tennis) from raw video inputs.

## Key Business Outcomes

- **Comprehensive CV Model Performance:** Achieved accurate real-time detection, jersey OCR, and object tracking across diverse sports scenarios.
- **Proven Model Versatility:** Validated YOLO's adaptability for multi-sport analytics and integrated deep learning classification.
- **Foundation for Scalable Sports Intelligence:** Demonstrated scalable AI capabilities for building future real-time, analytics-driven sports platforms.



## Technologies used





# AI-First Recruiting Platform for Agencies

## Problem

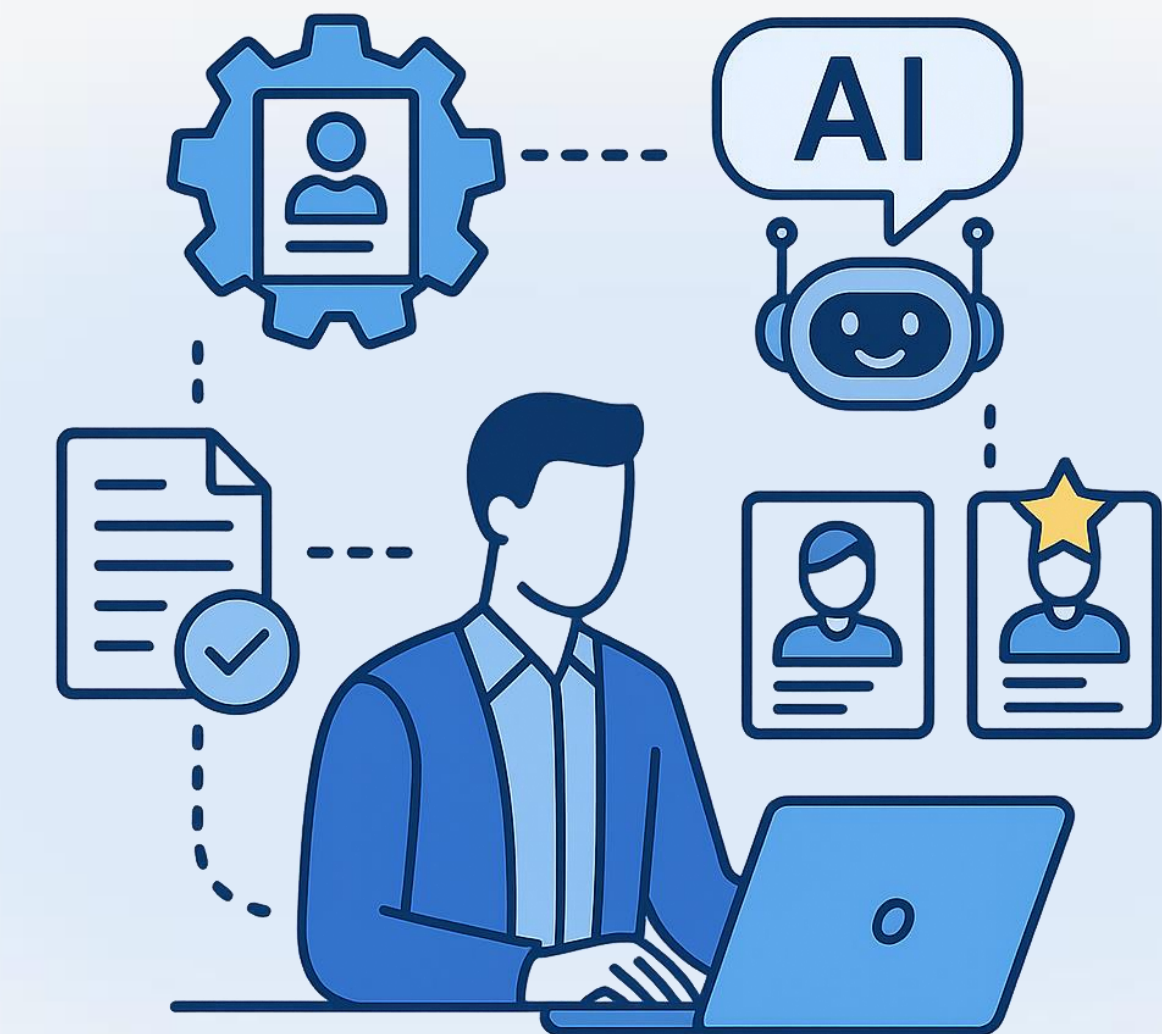
Recruitment remains a manual, fragmented process—resulting in delays, bias, inconsistent evaluations, poor-quality and non-cultural fit hires, and missed opportunities in a highly competitive market.

## Solution

- **Smarter Candidate Matching & Evaluation** : TalAiro uses AI to match resumes with job roles (**Helix**), score candidates objectively (**Judica**), and assess risks and hiring confidence—removing bias and improving decision-making.
- **Autonomous AI Assistant & Workflow Automation**: **Hailey**, the agentic AI, handles resume comparisons, red flag detection, personalized communication, and recruiter tasks. **Krystal Path** streamlines hiring with visual boards and automation tools.
- **Growth Intelligence & Business Development**: **Klarity** delivers real-time analytics on recruiting performance and pipeline health, while **Ignite** automates SOWs, proposals, and bids—fueling agency growth through an integrated marketplace.

## Key Business Outcomes

- **Faster, Smarter Hiring with AI**: Achieve up to 60% reduction in time-to-hire through AI-driven, bias-free shortlisting and fully automated recruitment workflows that streamline every stage of the hiring process.
- **Better Quality Hires, Aligned to Your Culture** : Ensure stronger candidate quality and cultural fit using advanced matching algorithms and intelligent risk analysis, improving both retention and team dynamics.
- **Full Control with Real-Time Insights & Compliance**: Gain instant visibility into hiring metrics, recruiter performance, and pipeline health, all while maintaining enterprise-grade data privacy and compliance standards.



Recruitment Automation

## Technologies used



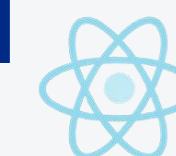
RAG Chatbot with  
OpenAI, SeckQL



IIRA  
Integration

mixpanel

Mixpanel



React



Celery Queue



Django Framework



PostgreSQL



Redis Cache



Elasticsearch



# Healthcare AI Assistant for Medical Professionals

## Problem

Many hospitals and clinics still rely on paper-based patient records, leading to difficulties in accessing, organizing, and sharing critical health information. This outdated system causes delays, errors, and inefficiencies in care, while also hindering integration with national digital health platforms like ABHA.

## Solution

- **AI-Powered Data Extraction:** Converts scanned or uploaded paper records into structured summaries using OCR and natural language processing, supporting both Allopathy and Ayurveda formats.
- **Seamless System Integration:** Connects with Hospital Management Systems (HMS), Electronic Health Records (EHR), and national platforms like ABHA for unified data flow.
- **Quality Control & Monitoring:** Enables users to review, validate, and correct extracted data with real-time progress tracking and error handling.
- **Export-Ready Outputs:** Provides clean, standardized digital records that can be exported in required formats for clinical use, audits, or regulatory compliance.

## Key Business Outcomes

- **Up to 70% Reduction in Manual Effort:** Automated OCR and AI-powered data extraction minimize the need for manual data entry and paperwork handling.
- **40% Improvement in Record Accuracy:** Standardized digital summaries reduce errors and ensure consistent, high-quality patient documentation.
- **3x Faster Onboarding to Digital Systems:** Rapid digitization enables quicker transition to HMS/EHR platforms, accelerating digital maturity in hospitals.



## Technologies used

NEXT.js  
Frontend

django  
Backend

OCR Extraction  
Gemini 1.5 Flash

Database  
Postgres

Batch Processing  
Celery & Redis

aws  
Cloud  
AWS

# Legacy to Modern : Future Proofing Java Applications

## Problem

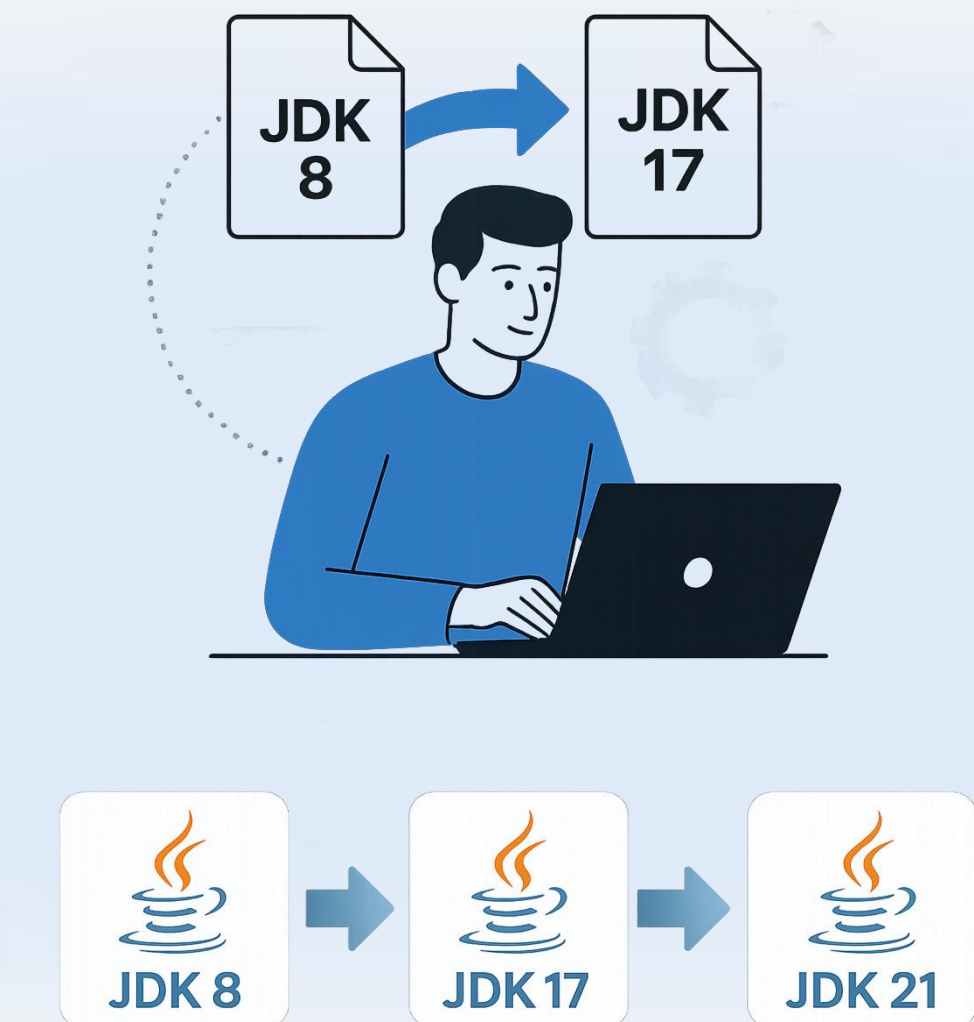
The existing DCM application runs on JDK 8, posing security risks, compliance challenges, and limited compatibility with modern build systems and cloud platforms. Additionally, JVM inefficiencies in JDK 8 hinder scalability, affecting application performance and long-term maintainability.

## Solution

- **JDK 17 Migration:** Upgraded the application from JDK 8 to JDK 17 and eventually JDK 21 to address security, compliance, and performance challenges.
- **Codebase Refactoring:** Identified and refactored deprecated APIs and incompatibilities to align with the latest JDK standards.
- **Environment & Tooling Upgrade:** Updated development and build environments to support JDK 17 and JDK 21, enabling integration with modern tools like Maven and Gradle.
- **Stability Assurance:** Conducted thorough testing and validation to ensure seamless functionality and system stability post-migration.

## Key Business Outcomes

- **2x Faster Application Performance:** Achieved significant runtime improvements by leveraging JDK 17 and JDK 21's enhanced JVM features.
- **100% Security Alignment:** Resolved known vulnerabilities and deprecated components, ensuring compliance with modern security standards.
- **40% Reduction in Technical Debt:** Streamlined the codebase by removing outdated practices and aligning with JDK 17 conventions.



## Technologies used



JUnit



Spring Boot  
Spring Framework





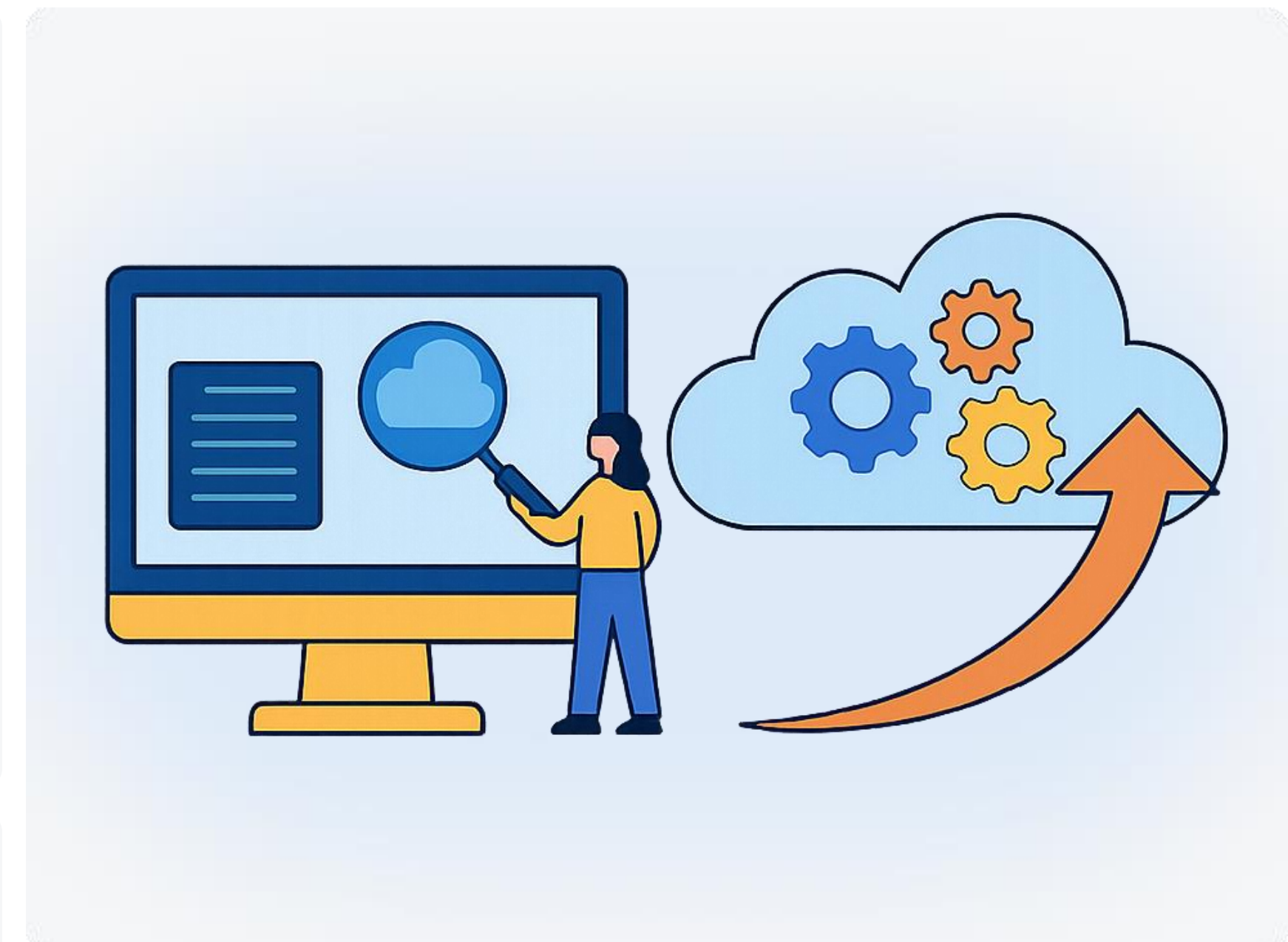
# Modernization of Content Assurance Platform

## Problem

Schlafender Hase aimed to modernize its desktop-based text verification tool by transitioning to a cloud-native SaaS model on Azure for improved scalability, accessibility, and performance.

## Solution

- **Strategic Roadmap & DevOps Health:** Conducted comprehensive DevOps review across Dev/Test/Prod, Identified CI/CD bottlenecks, technical debt, and infrastructure inefficiencies.
- **Tooling, Automation & Observability:** Consolidated CI/CD tooling (Azure DevOps Pipelines & Azure Repos) reducing deployment complexity by 60%, Automated deployments and scaling with Docker & Azure Kubernetes Service (AKS) reducing manual interventions by 70%, .
- **Cloud Infrastructure, Security & Compliance:** Deployed robust multi-tenant Azure microservices architecture enabling dynamic scalability and 40% infrastructure cost savings. Enhanced security posture with Azure Security Center, Azure Active Directory (AAD), Azure DDoS Protection,



## Key Business Outcomes

- **Faster Feature Deployments** – Automated CI/CD reduced release cycles from weeks to hours.
- **Deployed** robust multi-tenant Azure microservices architecture enabling dynamic scalability and **40% infrastructure cost savings**.
- Enhanced security posture with **Azure Security Center**, Azure Active Directory (AAD), Azure DDoS Protection, and ensured **HIPAA compliance**.
- Integrated compliance management aligned with **industry standards** (SOC2, ISO 27001, GDPR).

## Technologies used



# Support Engineering : 24 / 7 Support

## Problem

Lemnisk, a real-time Customer Data Platform serving high-velocity industries, faced challenges in managing 24x7 platform operations due to frequent alerts, unstructured L1 ownership, and mounting pressure on internal engineering teams. The lack of round-the-clock triage and escalation structure resulted in delays.

## Solution

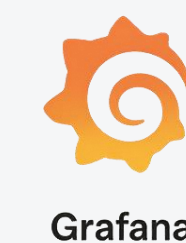
- **Real-Time Monitoring & Alert Handling:** Icanio's dedicated team monitored 23+ dashboards covering infra, application health, data pipelines, and campaign delivery.
- **Rapid Triage & First-Level Resolutions:** Performed immediate checks, job restarts, log analysis, node scaling, and retries to address issues proactively.
- **Standardized Playbooks & Escalation Paths:** Followed well-defined SOPs to reduce downtime and ensure seamless handover of complex issues to L3 teams.
- **Transparent Reporting & Traceability:** Maintained detailed incident logs and audit trails for all alerts, actions, and escalations.

## Key Business Outcomes

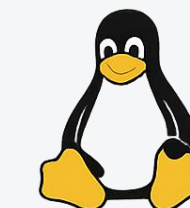
- **Improved Platform Reliability & Uptime:** Ensured 24x7 monitoring and faster MTTR, leading to higher system availability and customer trust.
- **Reduced Engineering Overhead:** Offloaded L1 support load by resolving common alerts and false positives, enabling engineering to focus on core issues.
- **Operational Transparency & Accountability:** Delivered structured reporting, shift logs, and escalation matrices to ensure full traceability and smoother collaboration.



## Technologies used



Grafana



Linux



K8s



MongoDB



Kafka



# Thank You

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