PROBLEM STATEMENT

EZTaxReturn, a leading online tax filing platform in the US, faced recurring infrastructure strain, slow deployment cycles, and compliance challenges during peak tax season.

Compliance mandates required detailed, real-time logging and traceability

Over-provisioned compute led to unnecessary operational spend

Latency in CI/CD cycles slowed feature rollouts and patches

Peak-season traffic put pressure on infrastructure reliability

INT.'S SOLUTION

INT. modernized EZTaxReturn's infrastructure to deliver faster, cost-efficient, and compliant operations during peak filing periods.

- ✓ **Containerized CI/CD:** Used Docker and automation pipelines to secure and accelerate deployments

- ✓ **Auto-Scaling Infrastructure:** Enabled AWS-based scaling with traffic forecasting and resource tuning

- ✓ **Centralized Logging:** Implemented monitoring and audit-ready logging for regulatory visibility

- ✓ **Performance Tuning:** Profiled backend services and optimized database queries for faster response times

A structured modernization to enhance resilience, deployment agility, and compliance posture.

01
Assessment:
Evaluated performance bottlenecks and infrastructure inefficiencies

02
Design:
Architected scalable infrastructure with load-based autoscaling

03
Automation Setup:
Integrated secure CI/CD pipelines for continuous delivery

04
Observability Rollout:
Set up real-time dashboards and alerting systems

05
Backend Optimization:
Conducted comprehensive QA, followed by a smooth go-live with minimal downtime.

06
Compliance Enablement:
Automated audit log collection to meet IRS-readiness

IMPACT

70-80%

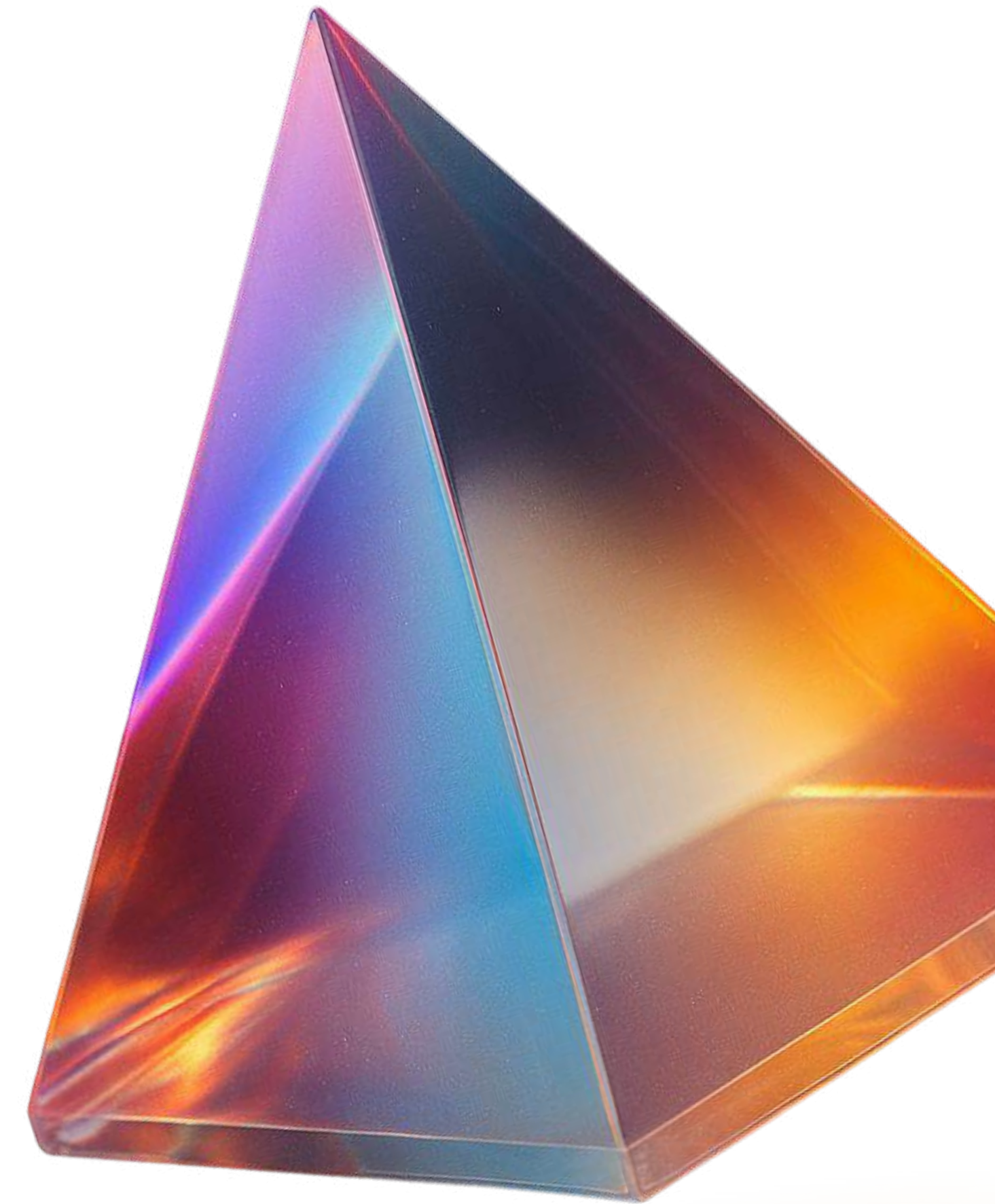**reduction in infrastructure cost,** through dynamic scaling and optimization

3x

faster deployment velocity, with automated CI/CD workflows

99.98%

uptime maintained during peak tax season, ensuring business continuity

Stronger compliance controls, with centralized audit-ready logging and monitoring

INT.

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Delight Your Customers
- The easiest way to achieve growth

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