



Complex machine learning SaaS migration to CodeNOW

Personal AI was facing difficulties with managing the complexity of AI development cycles and ensuring the quality and reliability of its AI-based B2C SaaS product.



The software development life cycle became longer and prone to errors due to the growing number of features, developers, and customers. This reduced the release frequency and increased the demands on DevOps.

Because most of the development team are experts in AI/ML and because the tedious infrastructure automation in the multicloud environment was too complex to grasp in a short period of, Personal AI has turned to CodeNOW to solve these issues.

Achievement points

- Predictable releases shorten time-to-market
- Developer self-service increases productivity
- Multicloud GPU usage decreases costs
- Application & integration insight shorten development
- Less resources utilisation decreases costs
- High availability improves quality of service
- Zero downtime during releases
- Zero trust environment increases security

Background story

As a recognized scale-up, Personal AI with double-digit customer growth MoM started facing new challenges to cope with the growth.

With CodeNOW they have gained the ability to deploy to multiple cloud providers, enabling them to effectively use GPU resources according to best pricing conditions, improving the availability of their services to end customers.

Developers have gained a deep understanding of the runtime behavior on the application and the integration level thanks to embedded observability (logging & time series data)

Individual components became highly available with less resource consumption thanks to automated Kubernetes management and O APM libraries running within deployments.

Goals step by step

The CodeNOW team has evaluated the best migration path with minimal interference to running delivery cycles. After successfully launching the of development and staging environment, a series of performance and load tests were executed in to ensure a high quality of provided services. During these phases, automation of build and deployment as well as complex networking with zero trust was auto-generated by CodeNOW and therefore deployment to other clouds and/or production environment has become a breeze.

- Analyze current portfolio of components under development
- Migrate to CodeNOW CI/CD
- Tune the observability stack and custom dashboards delivery
- Performance, Load & Disaster recovery tests
- Go Live

Customer feedback



CodeNOW's Cloud Agnostic Software Delivery Platform has been an invaluable asset for our AI development projects. We have complete insight into our infrastructure and applications, which has improved our delivery performance and allowed us to easily deploy into different cloud providers. This has resulted in significant cost and time savings, as well as improved customer experience. Integration with the team was also seamless, as the team members are committed and talented. They are not only an extension of our team, but they have now become an integral part of our team. Highly recommended!

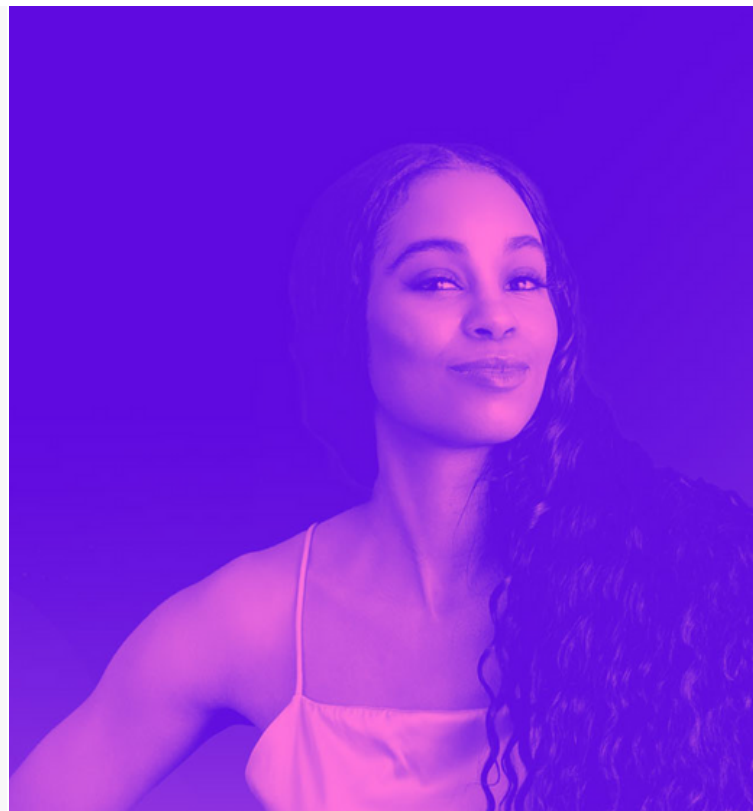
Suman Kanuganti

Founder, CEO

Conclusion

After successful migration to CodeNOW, Personal AI has gained full Software Delivery LifeCycle automation in the multicloud environment with Kubernetes runtime while keeping DevOps efforts at nearly zero. This has enabled them to release daily with confidence and therefore to meet tight deadlines with a new feature introduction.

CodeNOW brought order to the daily routines of versioning & releasing



Book a meeting with us to find out how CodeNOW can cure your ills today.

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