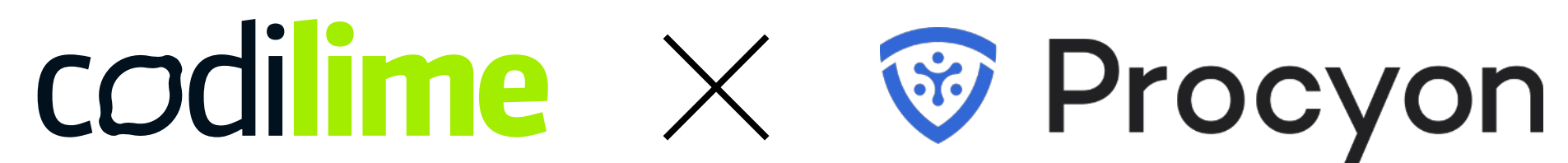


Procyon

case study

Development of a next-generation cloud-based Privileged Access Management (PAM) solution

Procyon is a startup founded in 2021 that offers a solution for infrastructure access without using static credentials. This **privileged access management** solution is designed for multi-cloud and API-based infrastructure, making it easy for enterprises to manage access to multiple resources by personal tokens or a self-service portal, streamlining the access approval process. Procyon also offers automated risk analysis for all permissions granted to all resources.



Challenge



Procyon faces the challenge of managing privileged access to expanding **on-premise and multi-cloud services**. Traditional access management solutions struggle to keep up with modern IT complexity with just enough privilege (JEP) and zero standing privilege (ZSP) principles on the rise. The widespread use of cloud services and blurred distinctions between privileged and standard users present difficulties for managing privileged accounts. It's crucial to manage a more granular set of resource credentials that meet strict security requirements and expire after use. Procyon leverages biometric technology and TPM cryptography to establish continuous authorization procedures for DevOps teams in multi-cloud development environments.

To help the client achieve their goals, we provided **backend services**.

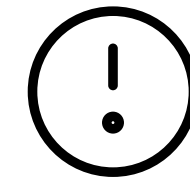


Results & benefits

Passwordless access management for faster scaling and stopping credential sprawl by eliminating shared accounts and static credentials.



Enhanced protection by terminating sessions immediately in case of suspicious activity.



Risk analysis and mitigation achieved by **automating risk analysis** for all permissions granted to all resources across multi-cloud infrastructure.



Compliance requirements met by providing **complete visibility** into every deployed resource, user access, and policy.



Client's testimonial



"In the fast-paced world of startups, gathering user requirements and keeping up with the latest technologies is crucial for success. However, implementing these solutions requires a skilled engineering team. Procyon has partnered with CodiLime to gain top-notch engineering talent, and we have been impressed with the quality of their work and the dedication of their team. CodiLime team has helped us meet the customer needs quickly and effectively. This collaboration has been cost-effective and it has also allowed us to scale up our team seamlessly. Thank you, CodiLime team, for your contribution to our success!"

**Sukhesh Halemane – Co-founder
Procyon.ai**



The scope of the project



The project scope reflects the ambitions of our partner towards their flagship product. We helped the Procyon team to create **privileged access management software** that enables:

- discovering user services in three major cloud providers: AWS, GCP, Azure,
- providing just-in-time access to resources,
- approval requests to be accepted by an account administrator,
- a risk assessment tool that prevents credentials and privileges sprawl.



Technologies and tools



TypeScript



kubernetes

gRPC



Cloud Build



Public clouds



About CodiLime

codilime

Since 2011, CodiLime has been the engineering partner of choice for semiconductor companies, networking services, telecom services, and software solution providers.

We have come a long way – from a startup to a company that hires more than 350 top-notch software developers, network engineers, DevOps experts, and solution architects. **We focus on five N.E.E.D.S. – Networks, Equipment, Environment, Data and Security.**

We aim to link engineering talent with business domain expertise. Everything to provide our clients with delivery excellence and custom-tailored solutions.

Check out what our partners have said about us and how they evaluated our cooperation.

[Go to about us page](#)

