Kenneth Lasyone
Principal Systems Architect

Software Engineer with a passion for providing coding and developing solutions. Great communication and problem-solving skills. Strong networking and coding skills with a fundamental functionality and understanding of most all areas of Technology.

```
File   Edit   View   Git   Project   Build   Debug   Test   Analyze   Tools
private string me = "kennethLasyone";
private bool hasNeededSkills= true;
private bool isHired;
public class Resume
{
    public void HireCandidate(string _applicant)
    {
        if(_applicant==me && hasNeededSkills)
        {
            isHired=true;
            Console.WriteLine( "You're Hired!");
        }
        else
        {
            hasNeededSkills=true;
            HireCandidate(me);
        }}}
class Program
{
    static void Main(string[] args)
    { HireCandidate(me);
}}
```

Certificates

Google Cybersecurity Certificate
AWS Generative AI with Large Language Models

Experience

Inventor & Principal Systems Architect | SPHERE VRF (2025-Present)

Designed SPHERE VRF, a decentralized verifiable randomness framework powering secure, unbiased, and auditable random number generation. Built to support gaming, validation, and decentralized applications, SPHERE VRF operates across a cluster of independently hosted nodes.

Key Responsibilities:
- Developed a fully distributed VRF engine with sub-10ms response times on private network.
- Integrated CLI, web-based, and headless interfaces for public access and demo environments.
- Managed node operations across a Raspberry Pi cluster for eco-friendly deployment.
- Hardened the system against unauthorized access using encrypted control layers and identity-bound validation.

Principal Systems Architect | SPHERESSL (2025-Present)

Designed and engineered SphereSSL, a modern, open-source SSL/TLS certificate management platform, automating every step from request to renewal across web. Built to empower developers, homelabbers, and orgs with seamless, auditable certificate issuance using decentralized validation and eco-friendly deployments.

Key Responsibilities:
- Developed a cross-platform SSL automation engine supporting ACME protocol, DNS-01 challenges.
- Integrated web-based dashboards and REST APIs for instant cert creation, monitoring, and renewal.
- Managed and optimized certificate issuance across distributed environments.
- Automated ordering, renewal, and conversion workflows (PEM/PFX), with support for multi-domain/SAN certs and provider-agnostic DNS integrations.
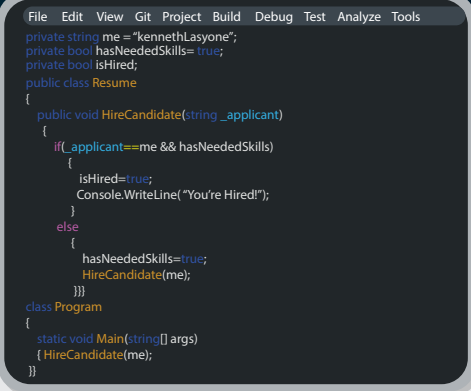
Founder & Principal Architect | Sphere Network (2024-Present)

Designed and built SPHERE, a patent-pending decentralized infrastructure platform composed of cryptographic identity systems, distributed content hosting, and token-gated access control. The project features three core systems, each supported by a formal patent application:

- ▶ System and Method for Decentralized Identity Authentication and Contact Storage Using Encrypted Key Segments
- ▶ System and Method for Decentralized Content Hosting and Address Resolution via Distributed Hash Tables
- ▶ System and Method for Token-Gated Permission Control and Resource Validation in a Decentralized Network

Key Responsibilities:
- Built a full custom peer-to-peer networking stack using encrypted routing and custom packet handling.
- Engineered identity verification through fragmented key reconstruction and asymmetric cryptography.
- Deployed a DHT-based content discovery network with cryptographic alias resolution.
- Developed a zero-trust, token-authenticated permission system for gated access to encrypted resources.
- Implemented layered cryptographic systems using AES-256, RSA-2048, and ECDSA for authentication and integrity.
- Designed decentralized node validation logic to prevent data tampering and enforce consensus.
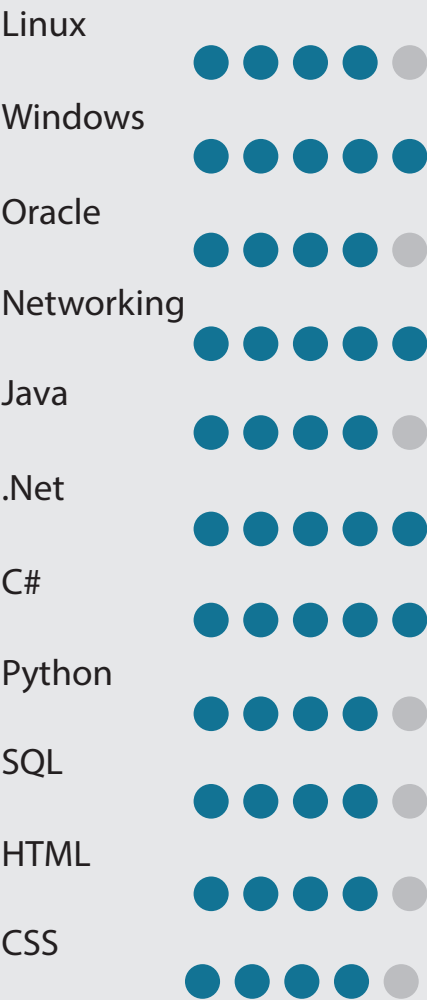
Personal Info

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Web
KennethLasyone.org
Spheretopeer.com
Spheressl.com
Spherevrf.com

Git
Github.com/kl3mta3
Github.com/SphereNetwork

Skills

Linux ●●●●○
Windows ●●●●●
Oracle ●●●●○
Networking ●●●●●
Java ●●●●○
.Net ●●●●●
C# ●●●●●
Python ●●●●○
SQL ●●●●○
HTML ●●●●○
CSS ●●●●○

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        }}}
class Program
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    static void Main(string[] args)
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}}
```

Experience (Cont)

Internal Application Developer / Senior CTA | Managed IT Services (ITSC) (2024-Present)

Provide technical consulting, automation, and infrastructure support for enterprise clients, specializing in backend system optimization and security enhancements.

Key Responsibilities:

- Develop and deploy automation scripts to streamline IT workflows and reduce manual processes.
- Engineer internal apps for client access, credential storage, and dynamic support tools using C#.
- Implement system hardening, encrypted storage, and secure network practices to ensure infrastructure resilience.
- Continuously improve operations and reduce response times through custom tooling and process optimization.

Education

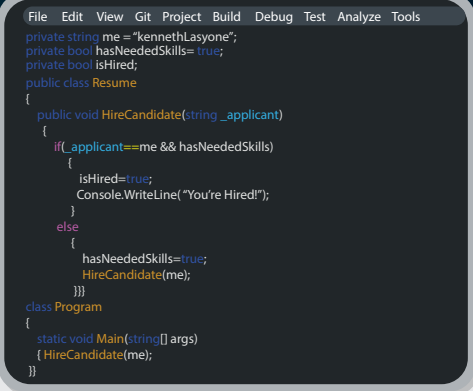**Associate's in Biology | North East Texas Community College (2010)**

Bachelor's in Computer | Science Stephen F. Austin State University (2013)

Hobbies and Interests

Electronics - Baking - Pet Training - Game Dev - Painting - 3D Modeling Tufting - AI Advancement - Hiking - 3D Printing - Self Hosting - Github Stars

Misc

I'm dedicated, hard-working, and happiest building things that matter, but I also believe a little humor makes every team stronger. Here's a joke to brighten your day:

Why do Java developers wear glasses?

Because they don't C#.

Personal Info

Phone
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Email
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Web
KennethLasyone.org
Spheretopeer.com
Spheressl.com
Spherevrf.com

Git
Github.com/kl3mta3
Github.com/SphereNetwork

Skills

Linux ●●●●○

Windows ●●●●●

Oracle ●●●●○

Networking ●●●●●

Java ●●●●○

.Net ●●●●●

C# ●●●●●

Python ●●●●○

SQL ●●●●○

HTML ●●●●●

CSS ●●●●○