Software Solutions by EFS Networks

EFSNetworks

Systems Engineering and Solutions Architecture

- Cloud Services
    - AWS Partners
    - Azure, GCP, On-Site Datacenters & Hybrid Environments
    - Security
    - Cost Optimization
    - Compliance
    - CI/CD
    - Multi-Cloud Hosting
    - Managed Hosting

- Specialize in unique problem-solving & use-cases
    - Technology
    - Operations
        - Deliver solutions staff and/or clients can adapt to and adopt, optimized for the following:
            - Training Intensity
            - Experience
            - Time

Software Development and Engineering

- Team of developers includes senior-level experience in:
  - PHP, Python, Node.js, Elixir, Java
- Engineers communicate and work directly with clients and solutions architects together throughout the project lifecycle.
- A selection of software projects *outside the metaverse* include:
  - DecisionSIM
  - Kennel Management Software
  - OCR Analytics Software
  - Accounting software
  - Virtual consultation software
  - Medical systems
  - Large-scale data manipulation and migration
  - Custom VOIP Systems & integrations
  - CRM/ERP Software & Plugins

Software Development Process

EFS Networks enables their customers to focus on their craft while building well thought out custom software solutions that address:

- Delivery
- Deployment
- Optimization
- Scaling
- Release Management
- Integration
- Authentication
- Stream quality analysis and assurance

Success Record with Web 3/Metaverse

- Bootstrapped a dynamic system for building virtual experiences of various use-cases and levels of interaction.

- Successfully delivered virtual experiences to thousands of users, while allowing client teams to focus on digital content creation and client management.

- Successfully delivered virtual experiences created by clients to Fortune 500 firms, professional sports organizations, and more across the globe.

- Allowed clients to efficiently work on multiple virtual experience use-cases at a time, sharing the same technology stack.

- Successfully delivered custom session management software capable of cloud-agnostic hosting.

- Since 2020, have adapted to supporting and constructing solutions for various new technologies as the metaverse space grew.
  - Streaming technologies, Web3, ARM computing/graphics, virtualized graphics/edge-rendering

- Comfortable familiarity with concepts in Unreal Engine as they relate to World Management Solutions and various integrations/communications.

- Successfully detected and stopped a targeted cyber-attack on a virtual experience within 12 hours.

Success Record with Web 3/Metaverse

- Successfully delivered communication toolsets for virtual experiences.

- Successfully integrated/secured virtual experiences with external enterprise systems & networks.

- Successfully delivered a system for hosting content & permissions dynamically for virtual experiences, used across varying use-cases and levels of production.

- Successfully optimized a virtual experience cloud environment's costs by ~80% in a single day.

- Bootstrapped a telemetry system for virtual experiences with real-time monitoring and support for custom widgets, graphs, and dashboards.

- Successfully implemented support for advanced graphics providers, accomplishing:
  - Streamed ray-tracing
  - 4k capability
  - > 60fps rates for remote streams

- Significant R&D done on quality assessment and monitoring of streaming quality for both Epic's Pixel Streaming technology and others.
  - Have reviewed and tested a new streaming technology for one of the 'big 4'. Process identified deviations, relevant metrics, and suggested solutions.

- Contributed to the system design of NFT creation for within virtual experiences and Web3 authentication.