# Limeleaf

Fresh, Sustainable, Simple Tech Solutions

Limeleaf is a worker-owned software engineering and product development cooperative.

We provide expert technical services to businesses, brands, and startups.

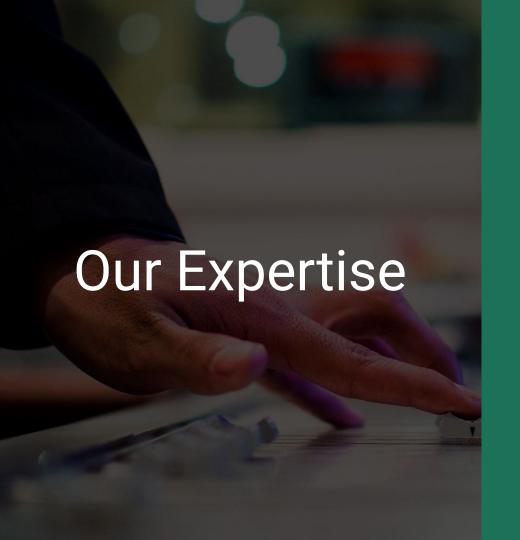


Decades of collective experience in all facets of software product development

Unparalleled technical expertise

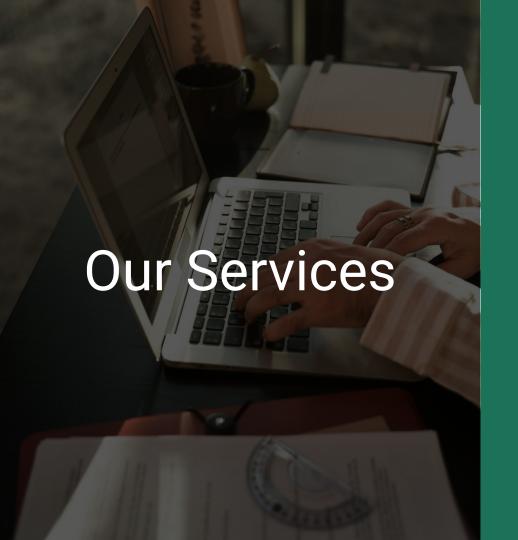
Collaborative, transparent, and client-focused

Committed to sustainability and worker ownership



Extensive experience building web and mobile apps, REST APIs, video game platforms, OTT services, PKI & MFA systems, IoT devices, and more.

We have built products at Google, Electronic Arts, ngrok, runZero, Kinetic, MadGlory/PUBG, Rocket Science, Wolfjaw Studios, RSA Security, and elsewhere.



Full-stack software and product development

Minimum Viable Product (MVP) development

IoT development, systems programming

Specializing in Go, Rust programming

Audio/Video streaming solutions

Video game services

Technical guidance and consulting

# Our Team

#### Software Engineering and Product Experts



John Luther

Product Manager

Google, JW Player, On2, RSA Security, Nuvalence



**Blain Smith** 

Software Engineer

ngrok, MadGlory, runZero, Kinetic, Harvard University



Erik Straub

Software Engineer

Electronic Arts, MadGlory, Wolfjaw Studios

# Case Studies: What We've Done



















# Media Solutions | Netflix HTML5 App

**Continue Watching for Harjot** 





Led a partnership to create the world's first HTML5 app for premium video.



#### **Problem**

Chrome users wanted to stream Netflix, but Microsoft discontinued Silverlight video+DRM plugin

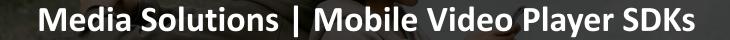


#### **Solution**

Created HTML5 APIs for DRM and adaptive streaming, Widevine DRM module for Chrome



- <u>Launched feature with</u>
  <u>Netflix at Google I/O</u>
- Every major streaming service has since adopted the tech





#### **JW Player**

Built and launched native Android and iOS SDKs for video playback and advertising monetization



#### **Problem**

HTML5 video players lacked features and performance only possible with native APIs



#### Solution

Staffed two Eng teams, wrote product requirements, oversaw development and Beta program, led go-to-market



- Launched in four months
- Added 20% to JWP revenue in first year
- +50 million DAUs as of March, 2024







#### **Kinetic**

Built remotely controlled monochromatic LED screen management system for Reflex wearable



#### **Problem**

Wearable devices required dynamic screen information to be pushed to them from a centralized web portal

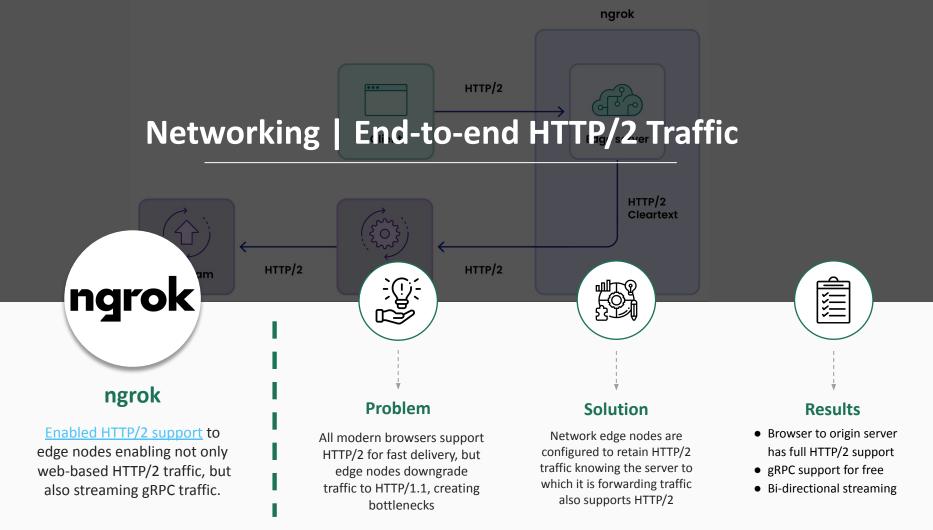


#### Solution

HTML/JS/Go web app with monochromatic image-editor-generated bitmaps fetched by C firmware displayed on the screen



- Personalized visualizations
- Custom screen text & icons
- Quicker testing of features



# **Advanced Systems | Linux NIC Timestamps**



#### **Subspace**

Improved routing, jitter reduction between network nodes using <u>Linux sockets</u>



#### **Problem**

Kernel-to-userspace jitter affected traffic routing when collecting timestamps between nodes.



#### **Solution**

Collect the timestamp when the packet is transmitted and received at the NIC directly.



- More accurate latency without jitter
- Customer traffic routing improved
- Routing reaction time decreased

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