

# JUSTIN LLOYD

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## FULL STACK (DESKTOP, WEB, MOBILE, CONSOLE) DEVELOPER

FPS, San Diego, CA

2024/03 – Present

### **Lead AI Engineer – Generative AI & Tools**

Full Stack AI engineer building generative AI pipelines powering a AAA first-person shooter video game. Deploying production pipelines using LLMs and enabling asset generation workflows for text, image & 3D model generation. Model tuning, LoRas, and production optimization, using FastAPI, Typer, Django, NiceGUI, Typescript, React.js, Python, C++, C#.

REDPILL VR, Los Angeles, CA

2022/01 – 2024/03

### **Lead Engineer – Back-end**

- Promoted to lead back-end engineer for orchestration and membership services. Typescript, Kubernetes, node.js, Electron.
- Senior Staff Engineer - Develop low-latency interactive video streaming application. Unreal Engine, C, Java, LCEVC, QUIC, UDP, Android, VR.
- Develop game engine plugins to stream interactive VR worlds. C++, Unreal Engine, VR, QUIC.

ERICSSON, Los Angeles, CA

2020/04 – 2021/10

### **Lead Engineer – Firmware & OS**

- Collaborate closely with a cross-functional team and product development managers on new 5G Fixed Wireless Access routers.
- Board bring-up, device driver development, OS & firmware programming. C, C++, Rust, Lua, Python, Linux
- Senior Staff Build Engineer – Wrangle builds, reduce build times for firmware SKUs from 15+ hours to 20 minutes.

WAYFORWARD TECHNOLOGIES / Lead Unreal/Unity Programmer	2017	–	2020
META / Low-Level Systems Engineer (Contract)	2013	–	2017
EBAY / Machine Learning Engineer (Contract)	2013	–	2013
ASYLUM LABS / CTO & Co-Founder (Failed Startup)	2012	–	2013
SONOSIM / Lead Engineer -> Chief Technology Officer (Acquired)	2011	–	2012

**Credits:** 50+ shipped electronic games (AAA to mobile), creating \$3B+ in lifetime product value, and instrumental in raising \$100M+ in start-up funding.

## EDUCATION/TRAINING

### **Masters**

MSc Computer Science (Post)  
MSc Artificial Intelligence (Centrale)  
MBA Entrepreneurship (AGSM)

### **Bachelors**

BSc Computer Science (U. of Wales)

### **Associates**

HND Software Development (U. of Wales)