>_ logcat.ai

Debugging Android OS at Scale: AI-Powered Log Analysis

Varun Chitre,
Founder, CEO – logcat.ai,
Staff Engineer @ Esper,
13+ years in AOSP, LineageOS Maintainer

The Problem:
How We Debug Android OS Today

O1 grep/search

grep for "ANR", "FATAL" returns tons of matches. Which one caused the freeze followed by a crash? Context is invisible

O2 Manual correlation

system_server crash at 14:23:45—what triggered it?
Manually jump between logcat, dmesg, kernel logs

O3 Time sink

2-4 hours average per issue. ROM builders work nights/weekends—time is precious

O4 Learning Curve

Takes years to know what patterns matter. New contributors struggle with where to start

Enter AI:

What If AI Could Debug Like a Senior Engineer?

- **Follow leads step-by-step**: "Start with the crash, trace back to root cause"

- **Correlate across subsystems**: "Connect events in logcat, dmesg, kernel logs automatically"

- **Explain the 'why'**: "Not just what failed, but why it failed"

Introducing logcat.ai
AI-Powered Log Analysis for Android

What It Does:

1. Deep Research

- Autonomous multi-step investigation
- Follows leads across log sources like an engineer would

2. System Intelligence

- Understands Android subsystems and their interactions
- Correlates events across logcat, dmesg, bugreport, ANR traces

3. Root Cause Analysis

- Explains what happened and why
- Provides evidence and timeline for each conclusion

Who is it for?

- 🏬 OEMs
- 🚗 Automotive
- 📱 Device Manufactur
- 🔧 AOSP Builders
- Semiconductor compan

OSS Program:

**Free for individual develop
open-source projects**

Apply at: https://**logcat.ai/**

Demo!

Privacy & Security:
How We Handle Your Logs

1. Encryption

- AES-256 encryption at rest
- TLS 1.3 in transit
- Your logs are encrypted
  end-to-end

2. SafeLog-LM: Open Source PII Redactio

- Fine-tuned model specifically for Android logs
- Apache 2.0 license on GitHub + HuggingFace
- Redacts emails, IMEIs, phone numbers, locatio
- You can run it locally right now
  https://github.com/logcat-ai/safelog-lm

Browser-Based Redaction (Coming Soon)

- SafeLog-LM will run entirely in your browser
- Logs get redacted before leaving your machine
- Zero server-side PII exposure