Health Rhythms

Zakery Clarke

x

NYC MLOps Community

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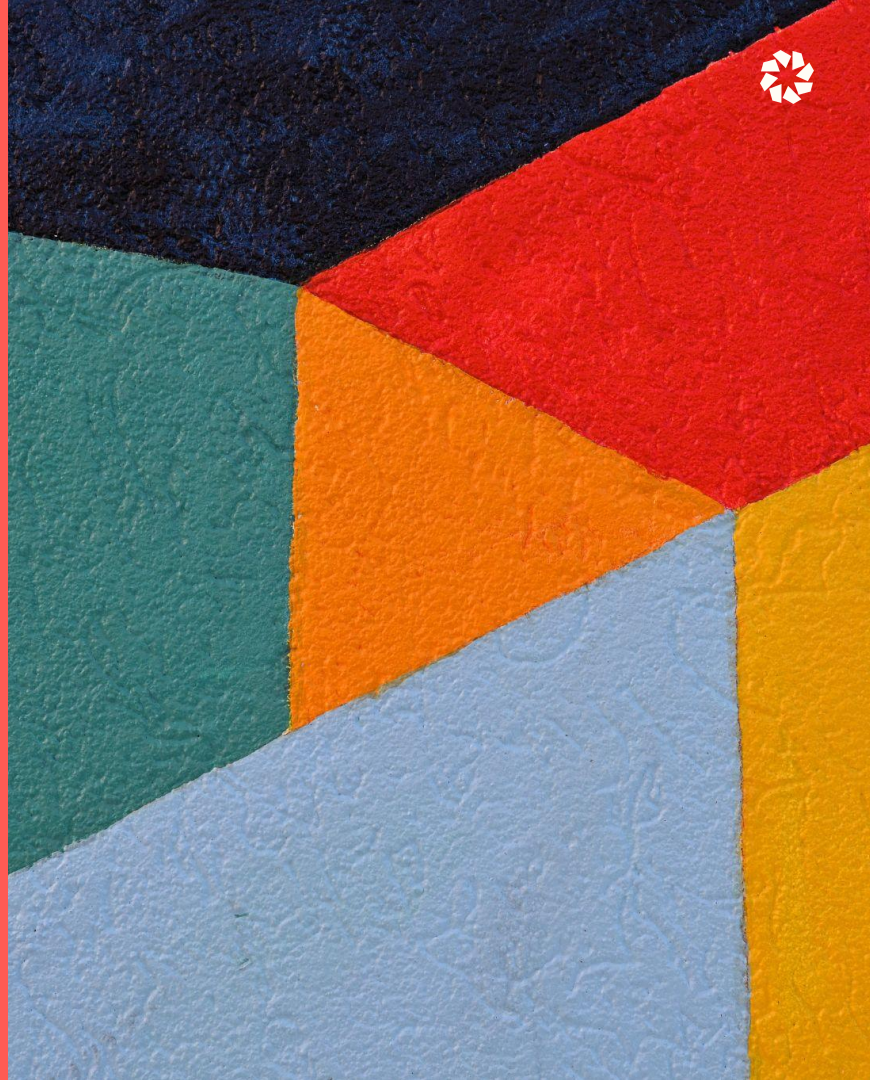
Who are we?

Use Case- Suicide Prevention

ML Infrastructure

Patient Vignettes

Conclusion



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Who are we?
Using passive data to drive clinical interventions

Passive Sensing Technology

GPS Data

Device Display Data

Pedometer/Activity Data

Wearables/Healthkit

Electronic Health Records (EHR)

Clinical Insights & Interventions

Sleep

Time at Home

Depression Symptom severity

Manic Episode Detection

Suicidal Ideation

Use Case- Suicide Prevention

100 -> 1k+ Psychiatric Patients

2-3 Clinicians Crisis Hotline

Who should we call?

uchealth

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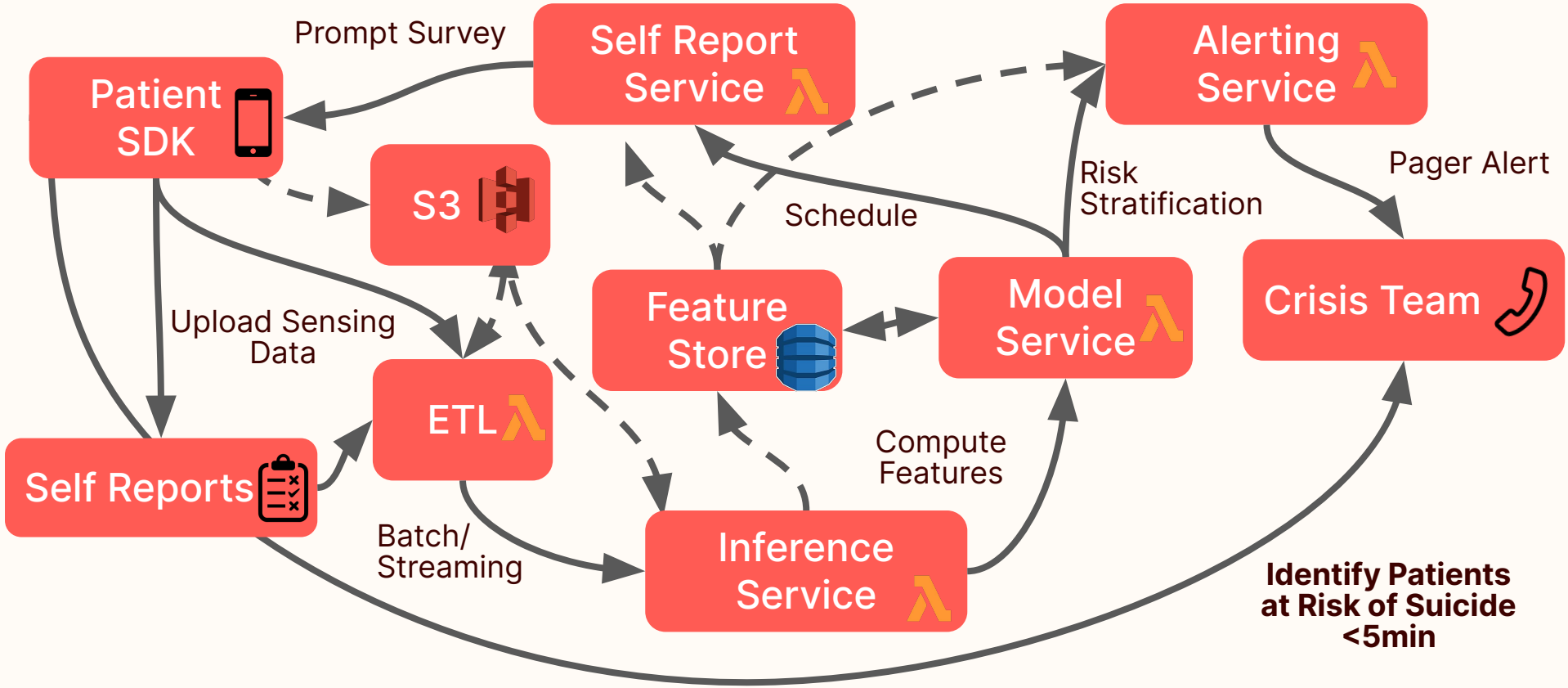
ML Infrastructure- Symptomatology → Intervention in < 5 min



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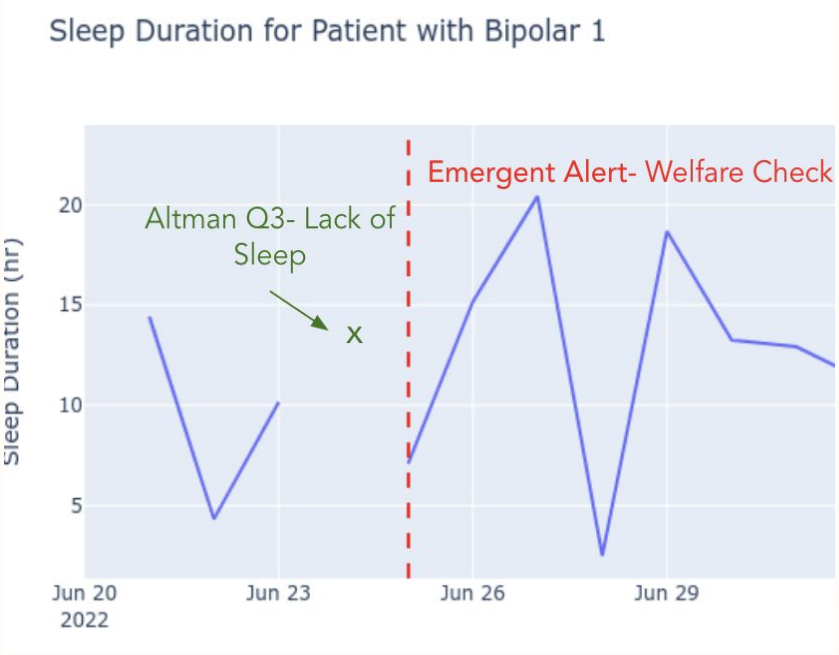
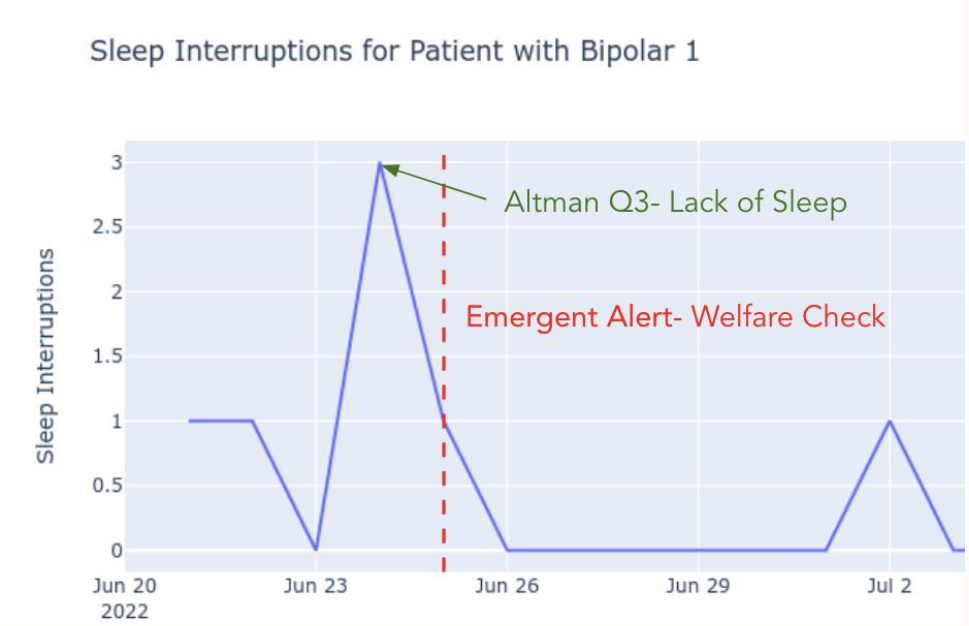
Patient Vignette #1





Lack of sleep & interruptions indicates need for Welfare Check

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Patient Vignette #2

Location Entropy strong inverse correlation suicidal symptom severity

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We’re hiring!