

OpenFeature

Migrating @ Scale 0 to Billions

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Meet your Speakers



Chetan Kapoor

eBay

PM, Feature Mgmt & Experimentation eBay's Chief Evangelist of Feature Flags Expedia (DevOps) → FinTech (10x Growth) → eBay



Justin Abrahms

Thrive Market (ex-eBay)

Principal Architect & Open-Source Chair Maintainer OpenFeature Java & Ex Gov-Board Google → Amazon → Walmart → eBay→ Thrive

What's eBay?

eBay Today

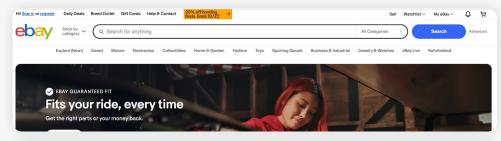
~2.1B live listings

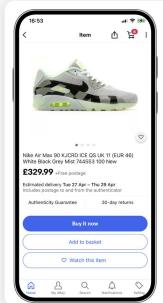
132M active buyers worldwide

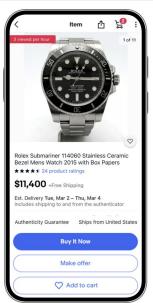
190 markets

\$12B mobile volume

As of Q2 2024









eBay's Adoption Journey



Velocity program

Make software delivery a competitive advantage





Code Stuck in review

- → Deployment: error prone & slow
- → Branches got larger & larger
- → Release == Deploy

2



Multiple Config platforms

- → Device Config System (native)
- → Global Config System (web+offline)
- → Experimentation Platform (misused)

3



DIY Engineering culture

- → Confusions and Duplication
- → Lack of guidance on trunk based dev
- Difficult to enforce CI/CD golden path in developer workflow

Internal Platforms vs Industry Tools

Takeaway: Buy if you can. Use standards to de-risk building.

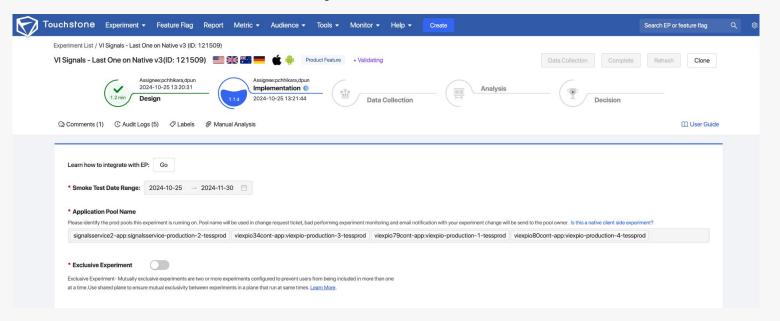


1000+ MAU

2000+

Experiments

75+ CSAT



Use OpenFeature SDK

- Authored **eBay-specific** provider and hooks
- Huge Benefit for eBay: One API for flags & experiments, and sunset 25+ legacy APIs

Add Platform Capabilities

- Kill Switch (allow site reliability to instantly STOP an incident with flags)
- Audience Aware Targeting (employees, device/location/site, customer segments & audience)

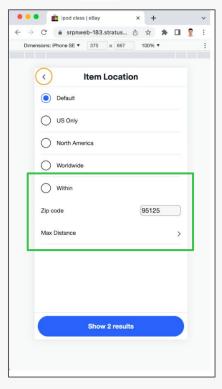
Simplify Onboarding Journey

- Updated Internal Guide with Open-Feature to help engineers Get Started
- Technical Program Manager was hired to establish documentation and run awareness campaigns

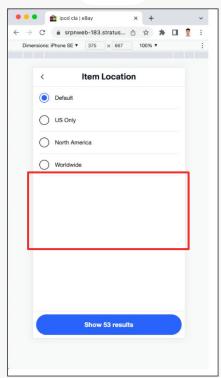
Convinced 3+ Developers (validate)

Takeaway: Try to pilot with excited & diverse group of developers









Ran 20+ Alpha Pilots (feedback loop)

Takeaway: Be customer centric and iterate your MVP roadmap



WHAT Build PMF with Feedback

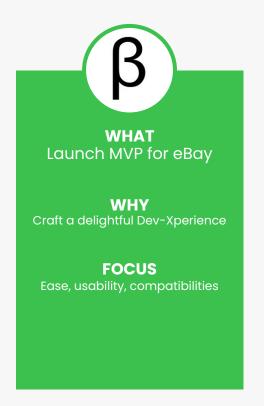
WHY

Learn from early adopters

FOCUS

Bugs, blockers, missing features





Sunset 25+ Legacy APIs (migration)

Takeaway: Drive your execution both top down and bottoms up!

Customer Success





5-Step Strategy

- 1. Secured 10% of Velocity budget
- 2. Simple instructions and demos
- 3. Made Domain leaders sign plans
- 4. Self-service Migration Monitoring
- 5. Newsletters and Escalation Emails

300+ JIRA Tickets 1000+ Slack Messages Countless
Stakeholder
Updates

Today & Beyond

Feature Flags Today

Trillions of Calls

2500+ Experiments behind Flags

1000s Active Developers

1 min Change Propagation

3 ms Evaluation Latency





Up Next on our 2025 Roadmap...







eBay hopes to partner with



Build Together

- Bulk/batch specs (proposal)
- Flag Hierarchy (christmas + bundle test)

Grow internal champions

- Product & Dev Certificate (proposal)
- Bootcamp or Speaker Series



Empower external community

- Writing / videos / docs on socio-technical why's of flagging
- Co-Host Meetups in the Valley at eBay HQ

Q&A

