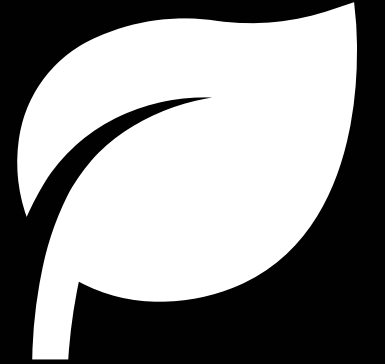


Build-fast / Ship-fast





From hackathons to the Startup Residency program, ShiftKey Labs makes sure students have the skills & support they need to pursue their most innovative ideas!



HIGHLIGHTS

NASA Space Apps Challenge

Global Game Jam

Generative AI Hackathon

Workshops & Talks

REACT

Blockchain

Prototyping

Startups

Freelancing

Cybersecurity



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Who we are



Eduard Kakosyan
AI Developer | BCS + Co-op



Huy Huynh
AI Developer



Why should you listen to us?

- Part of Shiftkey Build program, building CarGrep
- Won the Atlantic AI Summit Hackathon 2025
- Various contracting work with industry clients
- To be honest? you don't have to :)

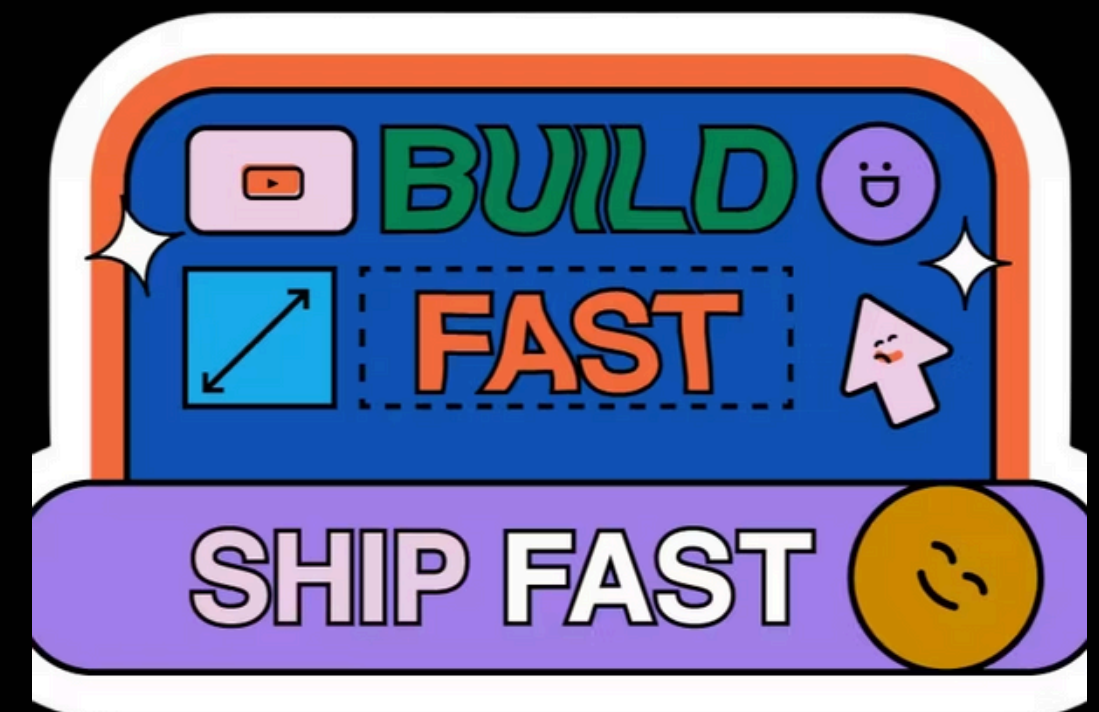
Quick Overview

This quick workshop will cover the build-fast / ship-fast approach and how to put it into practice. You'll learn key strategies, tools, and real-world tips to accelerate your development process and deliver results faster.

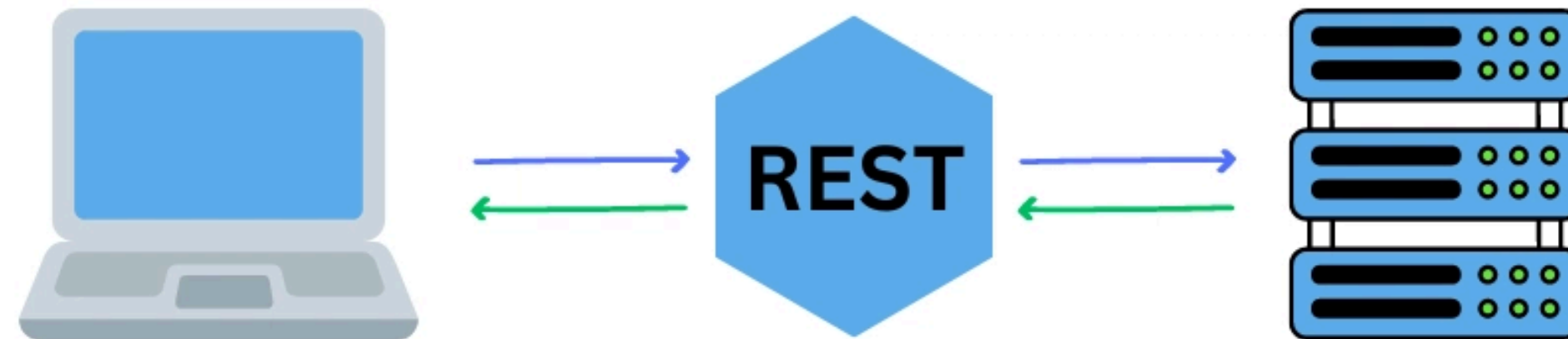
- The benefits of a build-fast / ship-fast approach
- How your current tech stack is holding you back
- Choosing the right tech stack for speed and flexibility
- Common security issues and pitfalls to avoid

Why build-fast / ship-fast

- Turn ideas into prototypes on tight deadlines
- Ship your projects and gain feedback faster
- Focus on idea validation and feedback loop
- Bring new features to your application faster




The traditional way of building projects



Why your tech-stack is holding you down



Complicated REST API configs



Mismatch REST API endpoints
and contents

React client-side is slow



React 19 introduces server
components to address issues
with slow client-side
rendering.

Deploying backend is still challenging



Traditional VM servers are
still challenging to scale not
flexible

What is the solution?



// shadcn/ui

NEXT.js



PostHog



stripe

Resend

The tech-stack

- **AI IDE:** Cursor or Github CoPilot Pro (free for students)
- **Backend + Frontend:** Next.js
- **Library:** Shadcn/ui + Tailwind
- **Auth:** Supabase Auth or Clerk
- **Database:** Supabase | Firebase
- **Hosting:** Vercel
- **Analytic:** Vercel Analytic and Posthog

Free Tier Info

Cursor - Free 50 requests per month

Copilot Pro - Free for students

Clerk - 10,000 monthly active users, 3 dashboard sets, all features are free in dev mode

Resend - 3,000 emails per month, 100 emails per day

Supabase - 2 Free Projects, 50,000 monthly active users, 500MB of storage

Vercel - Hobby plan

Posthog - 1 million events per month, 5000 session replays, A/B testing

Stripe - charge-per-use structure, so if you are not making money you are not charged any

N8N - Open source, you can host it on your local machine for free

Demo

Security and pitfalls

- Sensitive data operations on client-side
- Checks middleware

How can we help?

- Questions
- What are your ideas?
- What are you building?

Thank you

