

**AI CODING
SUMMIT**

October 23-24, 2025
4 PM CET, online

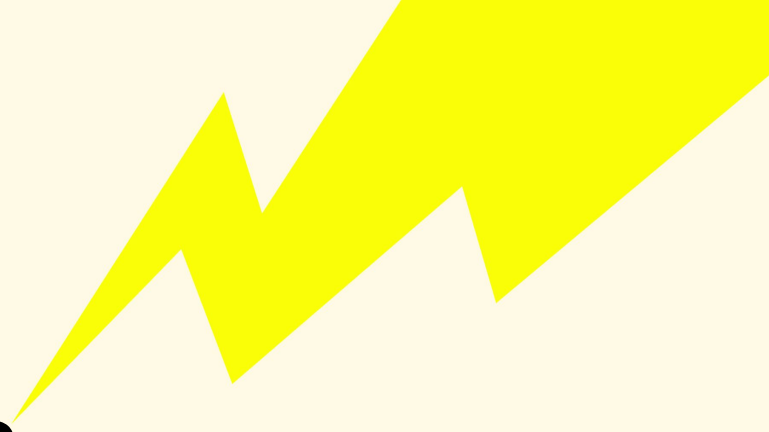
AI-First Architecture: Why Single Responsibility Matters More Than Ever

John Adib



It started with a chat

Now it writes, reviews, and
ships code



So, what's our role?

Fight it or guide it

From assistant to teammate

The line between human and
AI is fading



Speed changes everything

It can look like chaos at first



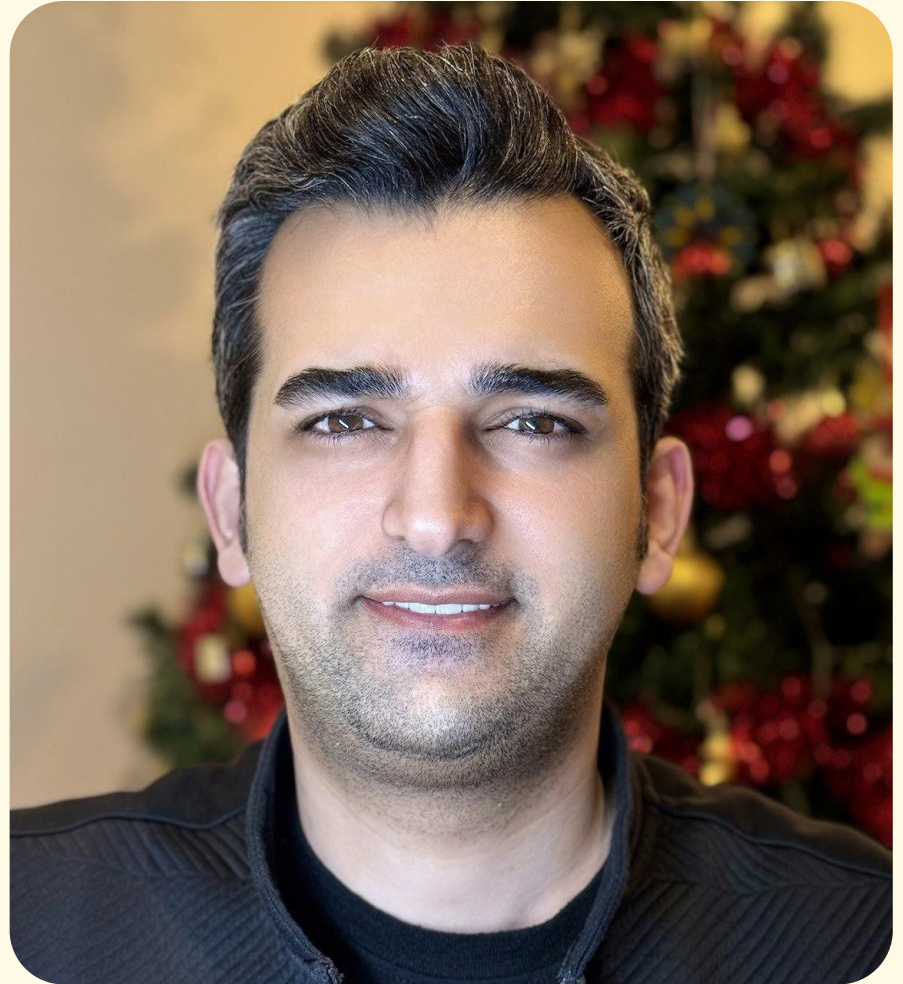
Speed amplifies everything

Without structure, it crashes.
With architecture, it transforms.

MrAdib.com

John Adib

Software engineer,
architect, lifelong learner,
and maker of what lasts.





**I've seen what happens when
structure breaks**

and how the right architecture
brings it back

What it means to build in the AI era

A new teammate joins the
system

Software built for humans

Tools served us. AI was outside the system.

Software built with AI

AI is now inside the system, not outside

AI-First Architecture

Design systems that stay stable
even when AI is involved

Structure before speed

AI amplifies what already exists

The Principle

The most important rule

One file, one purpose

Single Responsibility Principle

A file should have one reason to change

AI learns from patterns

Clear structure makes better
output

When AI builds without boundaries

Fast, but fragile and hard to
maintain

Separation of Concern

Keep every part of the system
focused on one responsibility

When architecture guides AI

Structure turns speed into
stability

The Guardrails

Guardrails keep speed under control

Architecture gives direction,
guardrails keep it safe

Let your linter enforce boundaries

Rules that protect consistency

Tests build trust

Between humans and AI

Consistency is communication

Clear descriptive names,
predictable patterns

Teach your AI the architecture

Document for humans and
machines

Guardrails don't slow us down

They keep the road open

The Future

AI won't replace developers

Developers who use AI will
replace those who don't

I asked my friend, ChatGPT what it thinks

“You don’t need to compete with me. You need to lead me.”