

# MicroFrontend Architecture for Mobile



## Pitfalls of traditional approach

- Apps is slow and not responsive – silent failures/crashes as a result of monolith loading for larger apps.
- Native Modularization is not completely leveraged
- Scaling the teams will be an issue – two team, two platforms, two architectures
- Large code base; tough for developers and QA to understand the code and business knowledge.
- Tight coupling between components, as everything is in one namespace.
- Less Scalable; Less Reusability

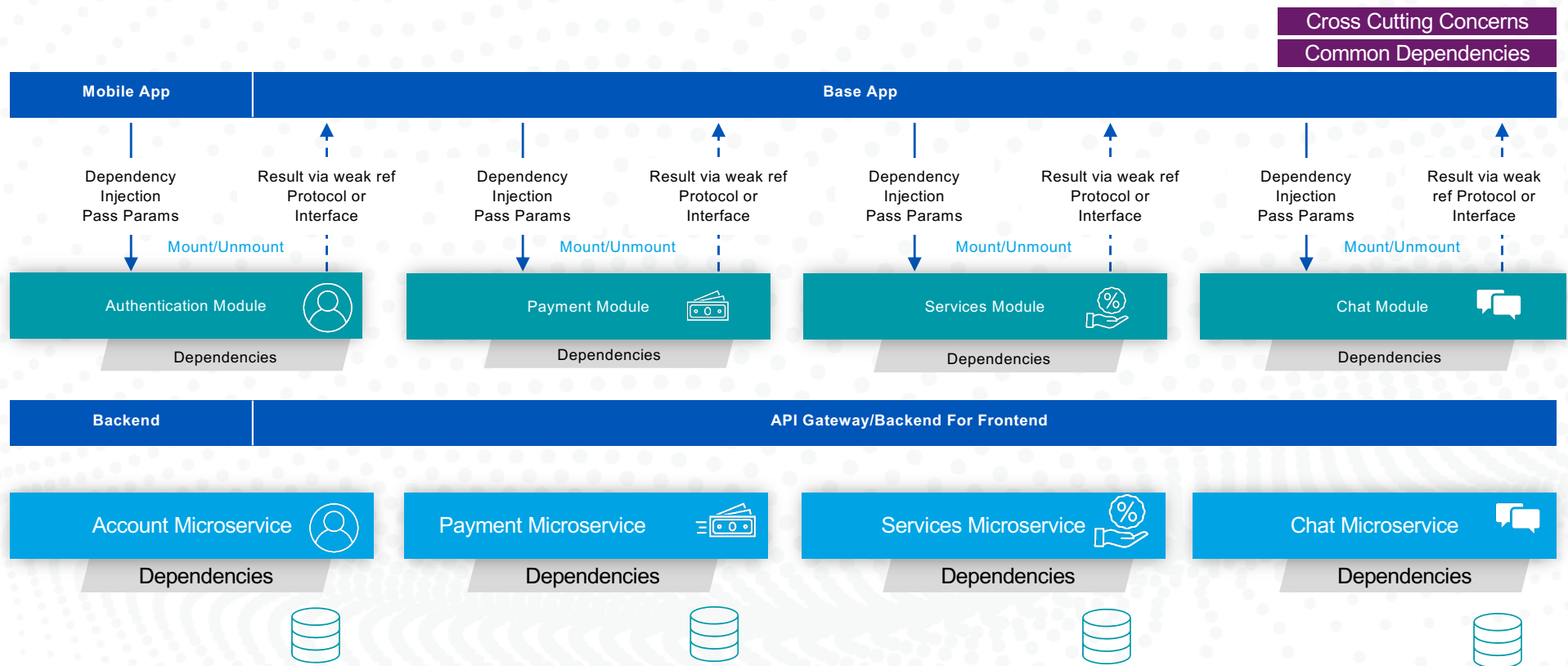


## Benefits of MicroFrontend

- Smaller, reusable, more cohesive and maintainable codebases
- More scalable organizations with decoupled, autonomous teams
- Ability to upgrade, update, or even rewrite parts of the frontend in a more incremental fashion than was previously possible
- Faster build time
- Being technology agnostic
- Testable compliant code
- Time to Market

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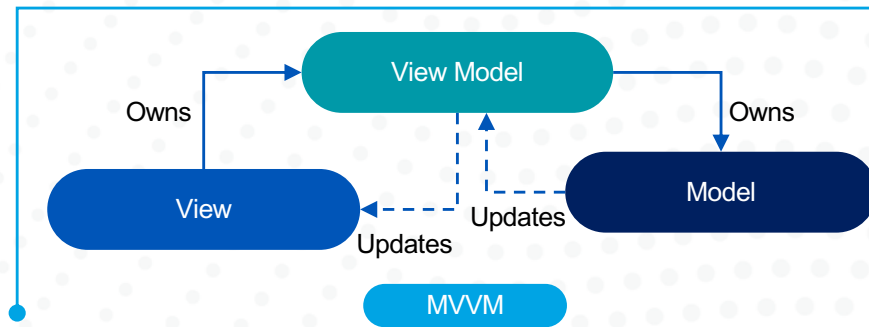
# End-to-End Architecture – MicroFrontend for Mobile



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# Module Reference Architecture – MicroFrontend for Mobile

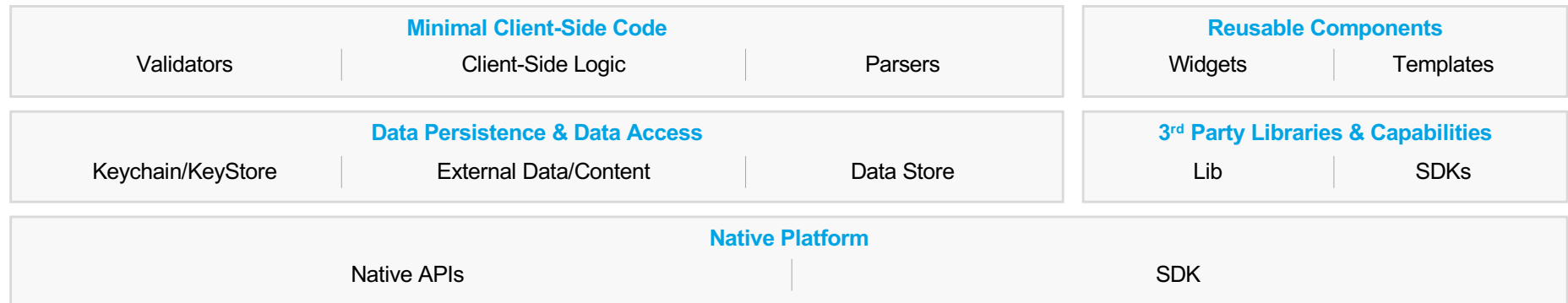
## Mobile Application User Interface/Experience Layer



## Base App: Cross Cutting Concerns

- Notification Management
- Network Management
- Log Management
- Exception Handling
- Analytics
- Security

## Micro Front-end Module



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