

Managed runtime systems for modern programming

Programming is becoming higher level

- C/C++ → Java/C# → Javascript/Ruby, etc.
- Programmers care only logics: “What I want to achieve?”
- Leave the details to system: “How it is achieved?”
 - E.g., details like memory allocation/release, thread synchronization/scheduling, etc.

Depending on managed runtime systems

- JVM, flash player, etc.
- Core technology: Just-in-time compilation
- Core technology: Automatic memory management

My team: Managed runtime optimization, SSG/SSD

