R Skill Ladder – One Page Summary

Tier 1 — R Newcomer (0–2 yrs)

Basic scripting; tidyverse basics; ggplot basics; simple loops; simple functions; importing data; basic stats; RMarkdown basics.

Tier 2 — Applied R Analyst (2–4 yrs)

Intermediate tidyverse; joins; reshaping; purrr::map; advanced ggplot; dashboards basics; moderate models; modular scripts.

Tier 3 — Reproducible Workflow Builder (4–6 yrs)

Project structure; renv; parameterized reports; functional programming; list-columns; high-quality ggplots; basic Shiny.

Tier 4 — System Designer / Shiny Developer (6–8 yrs)

Internal packages; testing; CI; Shiny modules; API integration; profiling; Rcpp basics; enterprise dashboards.

Tier 5 — R Technical Leader / Architect (8–10+ yrs)

Organization-wide R ecosystems; reproducible research frameworks; containers; plumber APIs; training staff; Posit infrastructure.