

Welcome to Corporate Technology Systems at Clune!

Your first four days are designed to set you up for success—getting your gear ready, introducing the construction tech landscape you’ll be working in, and letting you sample the three summer project tracks before choosing the one that excites you most. By the end of Friday, you’ll have:

- a fully configured development environment,
- a working knowledge of our key data systems

First Week Daily Roadmap

- **Tue 20 May** — Laptop setup, Visual Studio, NodeJS, SQL, Git/GitHub workflow etc
Outcome: Ready to code workstation
- **Wed 21 May** — Construction data/system primer covering CMIC and CluneApp
Outcome: Domain familiarity
- **Thu 22 May** — Tool blitz: Postman (API testing), SSMS (SQL explorer), Monday
Outcome: Able to inspect and explore APIs & databases
- **Fri 23 May** — “Tracktasting” lightning talks on project options **A / B / C**; select your project
Outcome: Project track lockedin & initial backlog seeded

Pick Your Project Track (Choose Your Tech Era)

Because every great summer deserves its own era, and we think you’ve got the range to go from “Blank Space” to production code in no time.

- **Track A – Analytics & Dashboards**
Mission: Convert raw Accounting + Marketing data into 4–6 interactive executive dashboards.
Deliverable: Dashboards embedded in CluneApp via React or Power BI
Core Skills: Data modelling, ETL, Power BI / Recharts, stakeholder demos.
Stakeholders: Regional Accounting Head, VP Marketing
- **Track B – OpenAsset ⇔ Popl ⇔ CMIC Sync**
Mission: Insure employee to project data is uniform + syncing headshot content.
Deliverable: Resilient microservice running on a scheduled service.
Core Skills: OAuth2, clean architecture, SRE mindset.
Stakeholders: Marketing
- **Track C – Nightly Multi-API Runner Refactor**
Mission: Refactoring a job chaining six APIs with a plug-in, config-driven runner & admin UI.
Deliverable: .NET Worker + React UI, ≥ 30 % faster (ideal), easily extensible.
Core Skills: Legacy refactor, strategy pattern, full-stack engineering.
Stakeholders: Marketing, Safety.

