TECHFINITE SYSTEMS NEWSLETTER

Welcome to the Team!

Sarathi E
Arulkumar R

We're excited to have a new face join us this December. Warm wishes for a great start and a wonderful journey ahead.

Winner Spotlight

Challenge (try it yourself) – Divya Veeraian

Logic Challenge "Who Owns the Coffee?" – Gokul Annadurai, Shalini A, Durai Arasan T, Divya Veeraian, Balamurugan R

UPCOMING EVENTS

✳ **Christmas –** December 25, 2025

Let's welcome the joy of Christmas—a season of happiness, gratitude, and celebration.

✳ **New year –** January 1, 2026

As we step into the New Year, we look forward to new beginnings, continued growth, and shared success.

🇮🇳 India
Growing Stronger Together: Expansion at Techfinite India

November marks an exciting chapter in Techfinite's journey of growth and innovation. We are expanding our **Techfinite India operations** with new roles across **Quality Assurance, DevOps, Infrastructure, HR, and Accounting.** This expansion strengthens our delivery backbone and ensures that our global teams have the support, scale, and stability to meet the demands of our rapidly growing project portfolio.

Launching Product Marketing for Flagship Solutions

Techfinite is gearing up to launch **strategic marketing campaigns** for two of our flagship products — **ClaimGenie** and **FiniteERP**. These initiatives are designed to showcase the value, intelligence, and impact of our solutions across the healthcare and enterprise sectors.

- **ClaimGenie** continues to redefine claims automation and revenue cycle efficiency for hospitals and payers.
- **FiniteERP** is gaining traction as a robust and adaptable enterprise management platform built for modern businesses.

Message from the CEO

Our India team continues to be a vital part of Techfinite's global success. This expansion reflects our confidence in their talent, dedication, and the critical role they play in driving innovation and operational excellence

– Kamal Ramakrishnan, Founder & CEO

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🇺🇸 US

Another Strong Quarter for Techfinite US

It's been a remarkable quarter for **Techfinite US,** as we continue to strengthen our long-standing partnership with **SS&C Health** by delivering advanced **Technology Solutions and Middleware Services** that power their core business operations.

Our dedicated teams have been at the forefront of modernization — optimizing performance, integrating new frameworks, and enhancing scalability across enterprise applications. These efforts are a testament to Techfinite's ability to combine **deep domain expertise** with **technical precision** to deliver measurable impact.

In recognition of this continued excellence, **Techfinite US was invited to submit proposals** for several of SS&C's upcoming **key modernization initiatives** — a true honor that reflects the trust we've earned and the **unmatched talent and capability** that define our organization.

Message from the CEO

Earning a seat at the table for SS&C's strategic modernization programs speaks volumes about the quality, consistency, and innovation our teams bring every day.

- Kamal Ramakrishnan, Founder & CEO

🇦🇺 Australia

Techfinite Australia – Year-End Highlights

As we approach the close of the year, we are proud to share several key milestones that highlight the dedication, collaboration, and forward momentum across Techfinite Australia.

Successful Client Go-Live – Confido
  This quarter marked an important achievement with the successful go-live of our client, Confido. This milestone reflects the strong commitment, technical expertise, and collaborative efforts of our delivery team.

We extend special appreciation to Prabhuranjan Kalimuthu, Madhan Damodharan, Karthik Arunachalam, and Vamsi Koganti for their professionalism, technical excellence, and teamwork throughout this engagement.

 Equally significant, this collaboration has helped establish a strong working relationship with CTO Kara Holinski, strengthening trust and opening avenues for future opportunities.

Yultra.AI – Product Development Progress
 Our in-house product, Yultra, continues to progress steadily with notable advancements across core architecture capabilities, the admin console, and API connectors.

We are now entering the final stages of development and will initiate end-to-end testing in the upcoming sprint—an important step as we prepare Yultra for broader engagement and adoption.
Techfinite Australia sincerely acknowledges the Yultra development team for their continuous effort, dedication, and commitment in bringing this vision to life.

Looking Ahead to 2026

With active engagement across new leads and a strong foundation in place, we see growing traction as we move forward. 2026 is shaping up to be a year where our collective efforts translate into meaningful and measurable outcomes.

Technology Corner

PAIR PROGRAMMING

Pair programming is a collaborative coding practice where two developers work together at one workstation, taking turns as "driver" (who types) and "navigator" (who reviews and thinks ahead). This real-time peer review improves code quality, spreads knowledge, and speeds up onboarding for new team members. When used on complex or high-impact tasks, pair programming helps teams catch bugs earlier, make better design decisions, and build stronger collaboration habits.

Simple best practices for pair programming
Agree roles and switch often
Start by deciding who is driver (typing) and who is navigator (reviewing), and switch every 15–30 minutes or at natural breakpoints like completing a test or function.

Communicate your thinking
Say what you're doing and why, ask questions, and discuss options instead of silently coding or silently watching so both stay engaged and aligned.

Keep sessions focused and short
Use timeboxes (for example 60–90 minutes) with breaks, and pick specific tasks (bug fix, refactor, design spike) to avoid fatigue and wandering discussions.

Be respectful and open
Critique the code, not the person; invite ideas, avoid grabbing the keyboard, and let both partners try approaches so the pairing feels balanced.

Use the right tools
For remote pairs, rely on shared IDEs, screen sharing, and good audio so both can see, type, and talk without friction

Pair programming isn't going away — it's evolving with AI, cloud development, and collaborative tools. In the future, developers won't just pair with humans but also with AI copilots, enabling smarter, faster, and more error-proof coding.

Knowledge Corner

Learning from Mistakes

We all make mistakes — it's part of being human. What really matters isn't the slip-up itself, but what you do after it happens. Every mistake carries a lesson, a quiet signal pointing you toward a better way.

Instead of beating yourself up or replaying what went wrong, take a moment to pause. Ask yourself: What can I learn from this? Maybe it's a sign to plan better, communicate more clearly, or slow down before making the next move. Treat each mistake like your personal coach — tough at times, but always helping you grow stronger.

The truth is, progress doesn't come from always getting things right. It comes from learning fast, adjusting, and showing up again with a little more wisdom than before. When you build that habit — to reflect, improve, and move on — every challenge starts turning into a stepping stone.

So, the next time you stumble, remember: that misstep isn't the end of the story. It's just a new lesson in the making — one that's shaping you into a more confident, capable version of yourself.

Debugging Best Practices Every Developer Should Know

Debugging Like a Pro (Stop Guessing, Start Knowing)
Still fixing bugs with random print statements?
Professional debugging is about control, not trial and error.
Pro Debugging Moves

1. Conditional Breakpoints
- Pause execution only when a cZZXondition is met.
    Right-click a breakpoint → Add condition
    Example: stop only when userId == null

2. Step Over vs Step Into
   Step Over: execute line without entering methods
   Step Into: dive inside method logic
      Use Step Into only where logic matters.

3. Watch Variables Change Live
   Add variables to the **Watch** window to track value changes without adding logs.

4. Evaluate Expressions on the Fly
  While paused, evaluate expressions to test logic instantly. No code change needed.

5. Debug the Smallest Repro
   Isolate the problem. Debug the smallest possible input or flow. Less noise, faster clarity.

Tool Shortcuts (Most IDEs)

Continue: F8
Step Over: F6
Step Into: F5
Resume Program: F9

Tip:
   If you're adding more than two print statements, it's time to use the debugger. It tells the truth every time.

Tech Bytes – November Edition

- Tech planning peaks in November, as organizations finalize budgets, roadmaps, and strategies for the upcoming year.
- November is one of the busiest months for product testing and system optimization, ensuring year-end stability.
- Many major tech innovations and releases are announced or prepared in Q4, making November a key innovation month.
- Cybersecurity awareness increases during November as companies strengthen systems ahead of holiday traffic and year-end operations.

Quick Reads – November Edition

- November is often called the "last calm month" before the busy holiday season begins.
- In the Northern Hemisphere, November has some of the shortest days of the year.
- Autumn colors peak in November in many regions, making it one of the most scenic months.
- November is associated with gratitude and reflection, especially due to Thanksgiving traditions.
- November flowers are Chrysanthemum, representing joy and optimism.
- November is known for clear night skies, making it a great month for stargazing.

Breaking Tech Myths

Myth: Phishing emails are easy to spot.
Fact: Modern phishing attacks are highly sophisticated and often closely mimic genuine emails by creating urgency, using familiar names, and imitating trusted domains, making them difficult to detect at first glance—always verify before clicking links or sharing information.

Strengthening Communication with the 7 Habits Approach

Habit 7 ←	Sharpen The Saw
Habit 6 ←	Synergize
Habit 5 ←	Seek First To Understand, Then To Be Understood
Habit 4 ←	Think Win-Win
Habit 3 ←	Put First Things First
Habit 2 ←	Begin With The End In Mind
Habit 1 ←	Be Proactive

- Conducted an interactive Communication Session based on The 7 Habits of Highly Effective People
- Focused on **Habit 4: Think Win-Win** and **Habit 5: Seek First to Understand, Then to Be Understood**
- Under Habit 4, participants worked in pairs to discuss contrasting viewpoints and arrive at mutually beneficial outcomes
- Encouraged a "We-first" mindset through respectful, positive, and inclusive communication
- Under Habit 5, the session highlighted the importance of active listening before responding
- Participants practiced attentive listening, paraphrasing, clarification, and emotional reflection
- The session helped strengthen collaboration, empathy, and effective workplace communication

CRACK THIS!

PUZZLE OF THE MONTH: THE PROJECT DEADLINE PARADOX

A critical project was completed exactly on time by a team of three members — A, B, and C.

Known Facts:
- For the project to finish on time, at least TWO team members must have worked late.
- Each team member makes exactly one statement about who worked late.
- Only ONE of these statements is true.

Statements:

- A: "B did NOT work late."
- B: "C worked late."
- C: "A and B worked late."

Your Challenge:

Using logic alone (no assumptions or guessing):
Who actually worked late?
How many people worked late?

Remember:
- At least two people worked late
- Only one statement can be true

Take your time — every detail matters!

THE DOUBLING TRAP: HOW FAST IS FAST?

A function processes 1 record in 1 second. Each minute, the number of records doubles.

Question: How long will it take to process 64 records?