COLLATZ INC

# PROBLEMS SOLVED

# BUILT TO LAST.



Custom platforms, Practical AI and connected systems built around how your business works.

**BOOK A FREE**
Strategy Consultation

ISO 9001:2015 | ISO/IEC 27001:2022

ISO-Certified Company

Clutch 4.9/5

Google 4.9/5

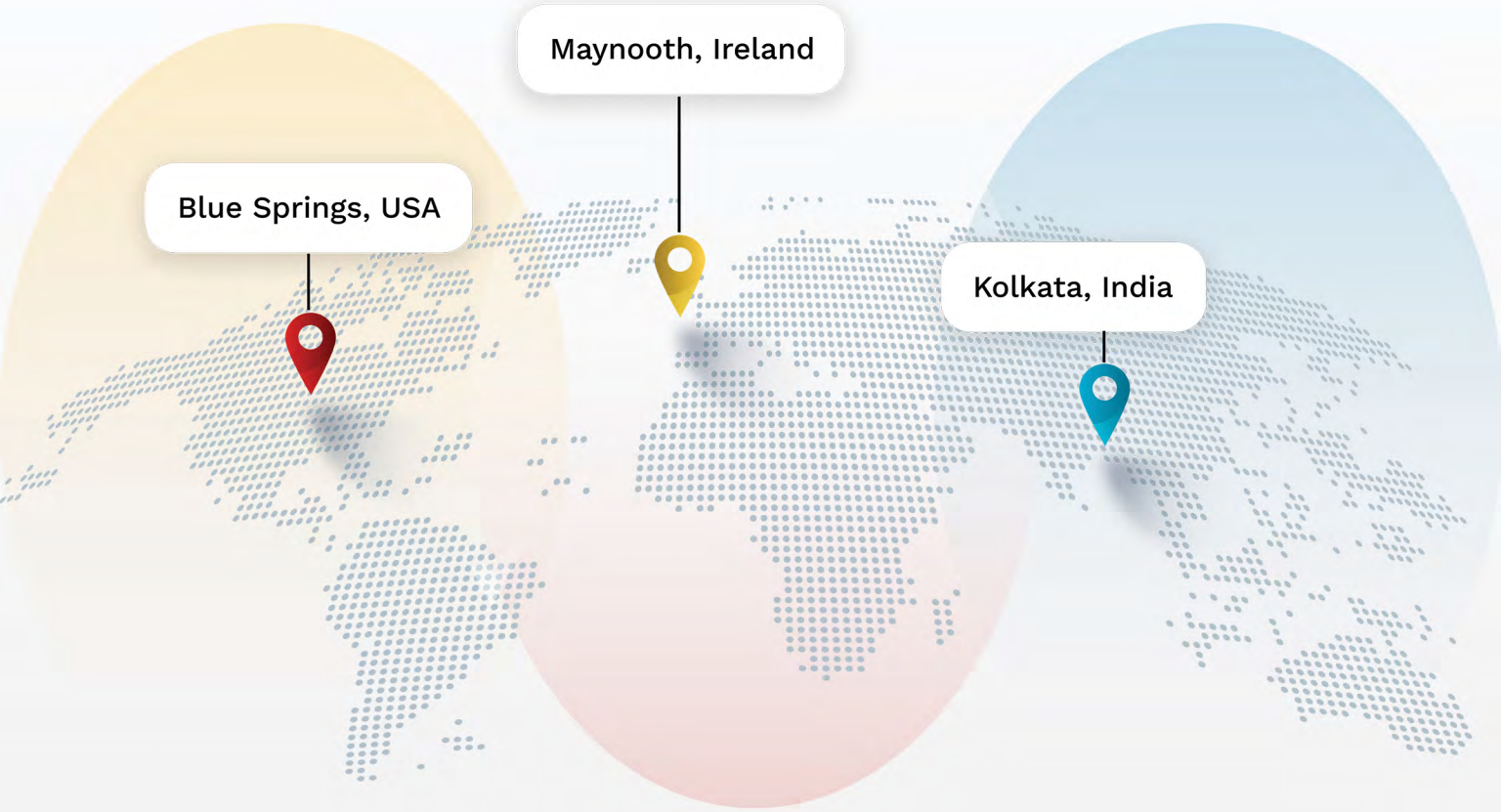
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# ENGINEERING CAPABILITY

## ACROSS BORDERS. PARTNERSHIP

# CLOSE TO HOME

KOLKATA, INDIA | MAYNOOTH, IRELAND | BLUE SPRINGS, USA




EXPLORE COLLATZINC
collatzinc.com

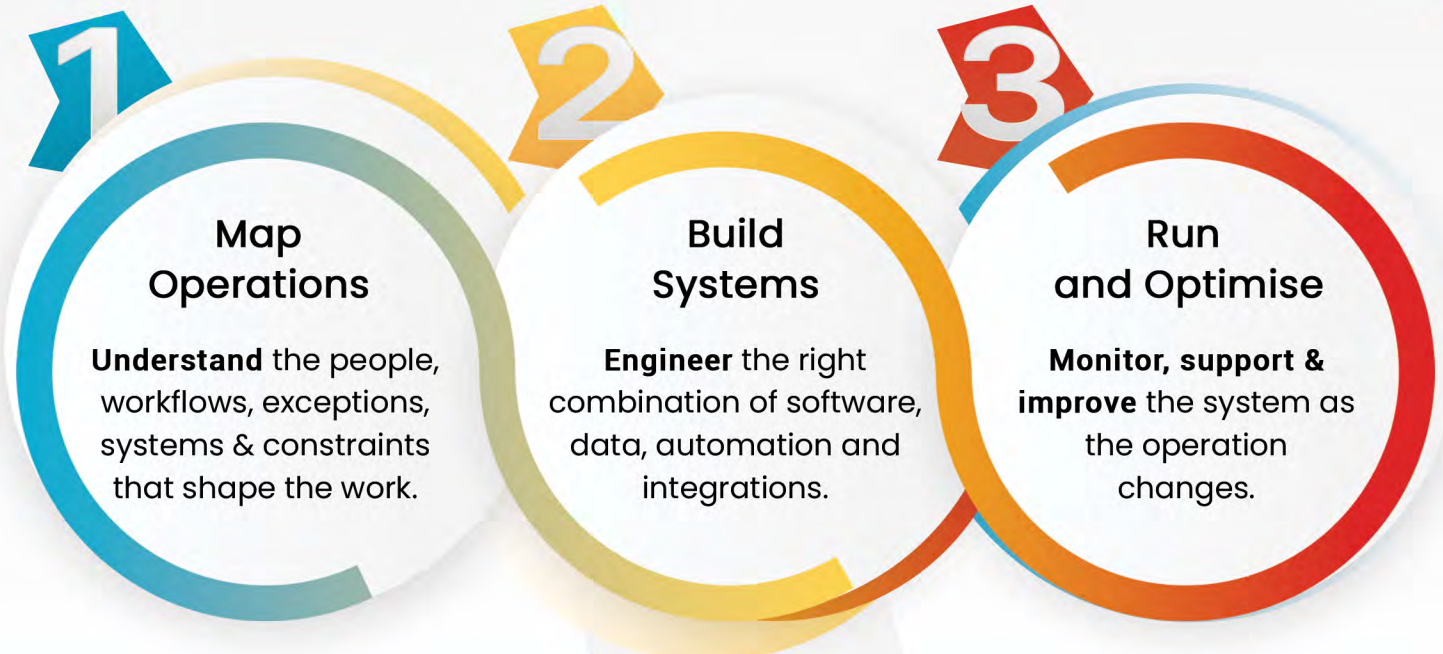
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THE COLLATZINC POINT OF VIEW

# START WITH THE OPERATION.
# BUILD WHAT FITS.

Most businesses already have software. The harder problem is making disconnected systems, manual hand-offs, ageing platforms and limited visibility work as one operation.

We listen first, build in clear stages and stay involved after launch. The technology follows the problem, not the other way around.




TELL US WHERE THE WORK GETS STUCK.

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THE CAPABILITY SYSTEM

# FOUR CAPABILITIES.
# ONE CONNECTED TECHNOLOGY PARTNER.

Most businesses already have software. The harder problem is making disconnected systems, manual hand-offs, ageing platforms and limited visibility work as one operation.

We listen first, build in clear stages and stay involved after launch. The technology follows the problem, not the other way around.




01

## Design and build digital products

Custom platforms, mobile products, portals and modernisation.

02

## Automate operations and apply AI

Forecasting, workflow automation, governed assistance & operational intelligence.

03

## Connect systems and physical assets.

APIs, devices, firmware, payments and operational integrations.

04

## Operate and scale.

Cloud, quality, security, monitoring, support and continuous improvement.

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THE RIGHT SOLUTION FOR THE NEED

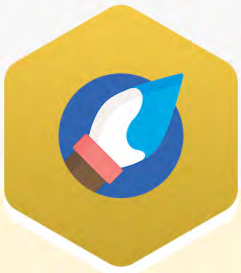
# CUSTOM WHERE IT MATTERS.

# PROVEN PLATFORMS WHERE THEY FIT.

The right solution depends on the control, integration, budget, timeline and growth the business actually needs. We recommend the approach that fits rather than forcing every client into the same technology.





### Build your edge

For business-critical workflows and tailored technology solutions.

- Business & ERP Platforms
- Mobile & Field Apps
- AI & Automation
- System Integration
- Product Development

### Extend intelligently

For businesses seeking greater control, flexibility and integration.

- Headless CMS & Strapi
- Checkout & Payments
- CRM & Data Integration
- Omnichannel Content
- Connected Commerce

### Launch efficiently

For faster launches of websites, digital content and online stores.

- WordPress & Webflow
- Shopify & WooCommerce
- Wix Websites
- UI/UX Design
- Rapid Website Launches

CUSTOM ENGINEERING — EXTEND AND INTEGRATE — PROVEN PLATFORMS

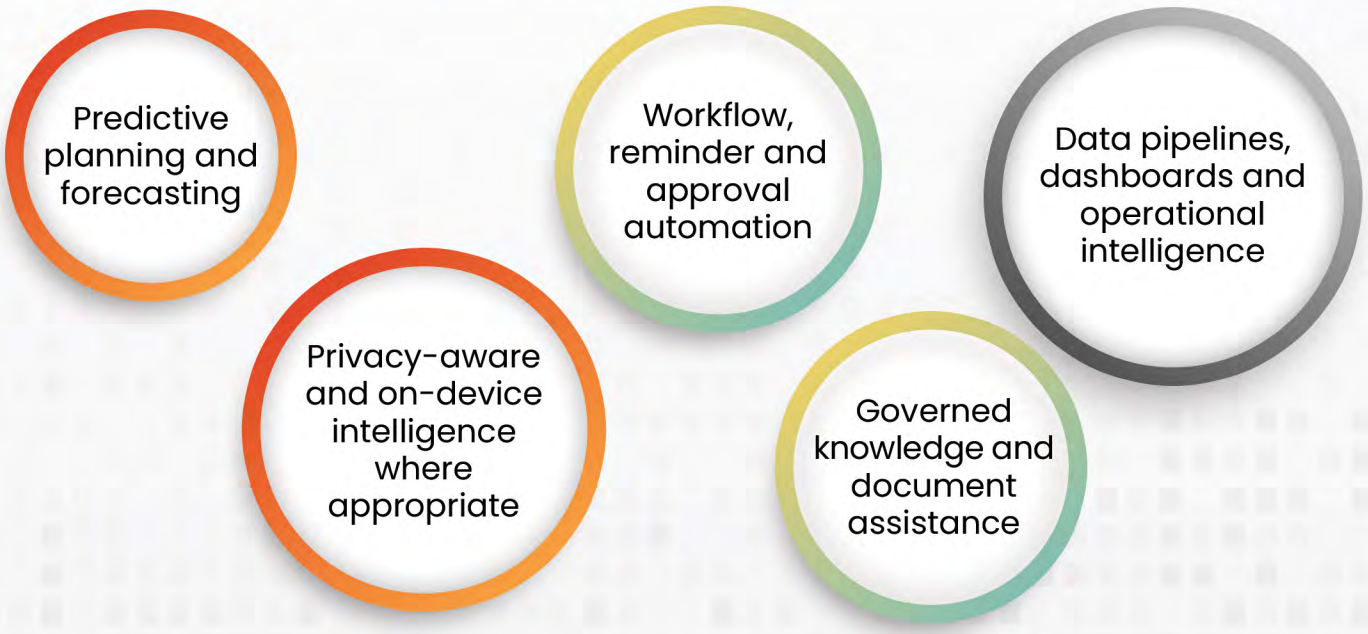
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AUTOMATE OPERATIONS AND APPLY AI

# AI THAT EARNS ITS PLACE IN THE WORKFLOW.

Useful AI has a job to do. It should help a team plan better, find what matters, remove repetitive work or make a decision with greater confidence.

We begin with the operational need. The answer may be AI, automation, better data, an integration or a simpler software change.




## CAPABILITY IN PRACTICE

01 Forecasting helps a national food-distribution operation plan ahead and make informed purchasing decisions.

02 Live, on-device navigation and image enhancement make field operations easier and smoother.

03 Automated reminders, routing and document handling help keep recurring service work on track.

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REUSABLE CAPABILITY PATTERN

# ONE CONNECTED OPERATION SEVERAL CAPABILITIES WORKING TOGETHER.

The value comes from how the parts work together. Each capability supports the same operating model and can improve without separating the customer experience from the work behind it.

01

**Digital experiences.**

Customer and workforce applications make the operation easier to use.

02

**Workflows and integrations.**

Orders, payments, approvals and operational systems exchange information at the right point.

03

**Forecasting and automation.**

Planning data and automated steps support faster, more consistent decisions.

04

**Shared visibility.**

Teams and locations work from information appropriate to their roles.

05

**Cloud operations.**

Monitoring, support and controlled releases keep the platform dependable as needs change.

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OPERATE AND SCALE

# LAUNCH IS NOT THE FINISH LINE.

**A platform earns trust through what happens after launch.**
We design for controlled change, reliable operation and continuous improvement, then stay involved as the business evolves.

01 Cloud architecture and migration

02 Continuous integration, guided releases and quality engineering

03 Monitoring, performance and security

04 Long-term support & product evolution

05 Modernisation with minimal operational

PORTFOLIO UPTIME ACROSS SUPPORTED PLATFORMS

99.98%

99.99%

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CAPABILITY STORY

# A CONNECTED OPERATION BUILT TO GROW.

***A national food distribution and service operation***

## The challenge

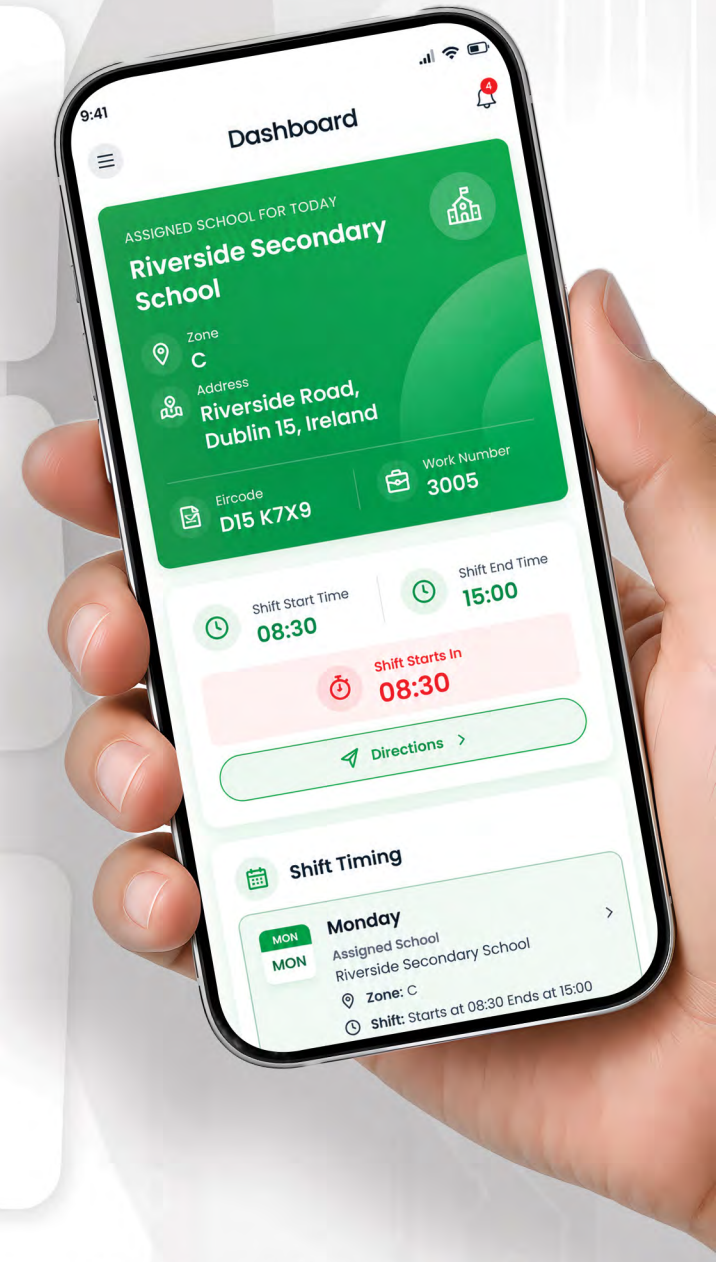
Growth made the gaps between ordering, preparation, workforce activity, delivery, payments and reporting harder to manage. Teams needed one dependable view of the operation, not another isolated tool.

## What we built

Collatzinc created a connected operational platform combining custom software, mobile experiences, integrations, automation and data-led planning.

## What changed

Teams gained clearer visibility, more consistent coordination and faster access to the information needed for daily decisions. The platform could continue to evolve as the operation grew.



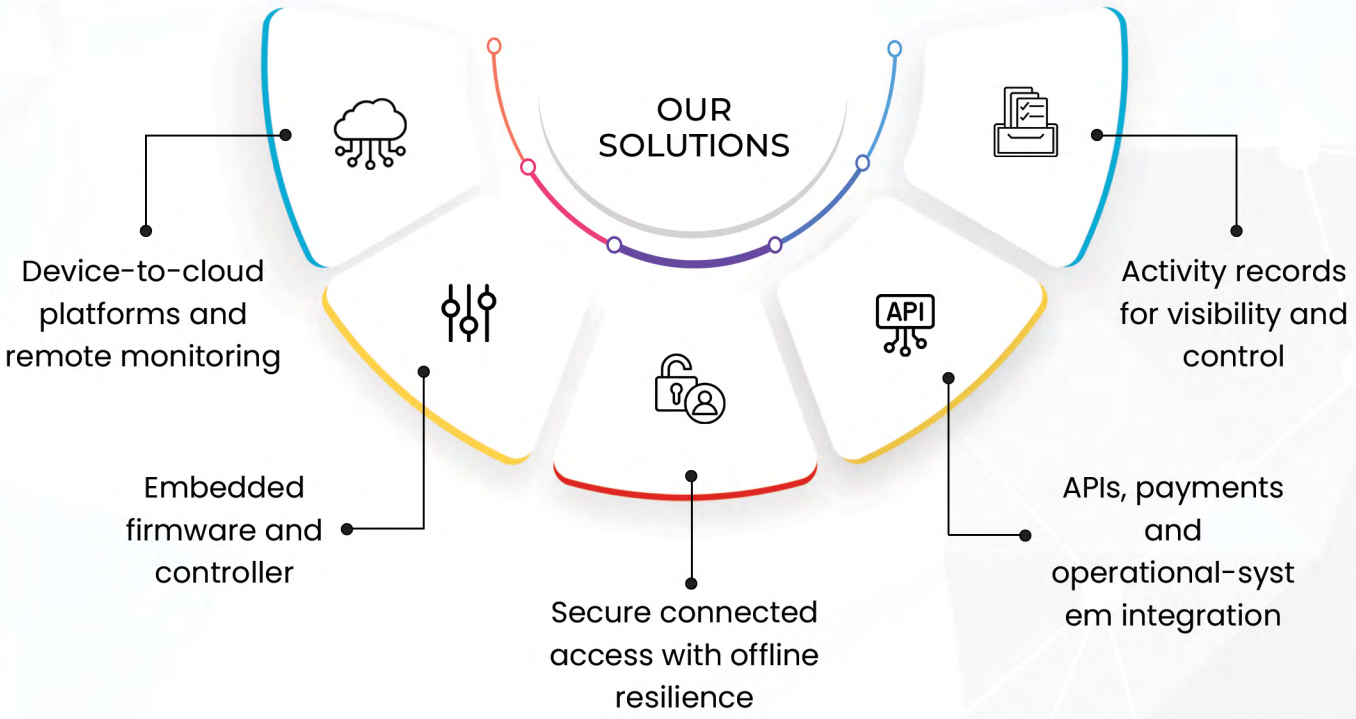

> "Collatzinc is the backbone of our fully-integrated ecosystem."
>
> Technology leader, national food distribution company

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CONNECT SYSTEMS AND PHYSICAL ASSETS

# CONNECT THE PHYSICAL OPERATION TO THE DIGITAL ONE.

Collatzinc connects software, devices and operational systems so businesses can monitor activity, authorise actions and coordinate assets across locations.




## CONNECTED-MACHINE OPERATIONS

A single operating environment can bring distributed machines, locations, customer interactions and administration together.

## CONNECTED ACCESS

Embedded electronics, firmware and cloud authorisation can support secure access, offline operation and auditable activity.

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TRANSFERABLE PROOF

# DIFFERENT ENVIRONMENTS.
# THE SAME ENGINEERING DEPTH.

The context changes, but the engineering patterns remain useful wherever teams need dependable products, connected workflows and clear operational visibility.



01

**Regulated recurring operations**

A modernised service platform brings recurring obligations, deadline reminders, documents, billing, payments and audit trails into one

02

**High-pressure field operations**

A long-running field platform connects onboarding, shift planning, operational reporting and low connectivity mobile work

03

**Secure physical operations**

Connected software and embedded systems can authorise access, keep working offline and preserve a clear record of activity across distributed locations.

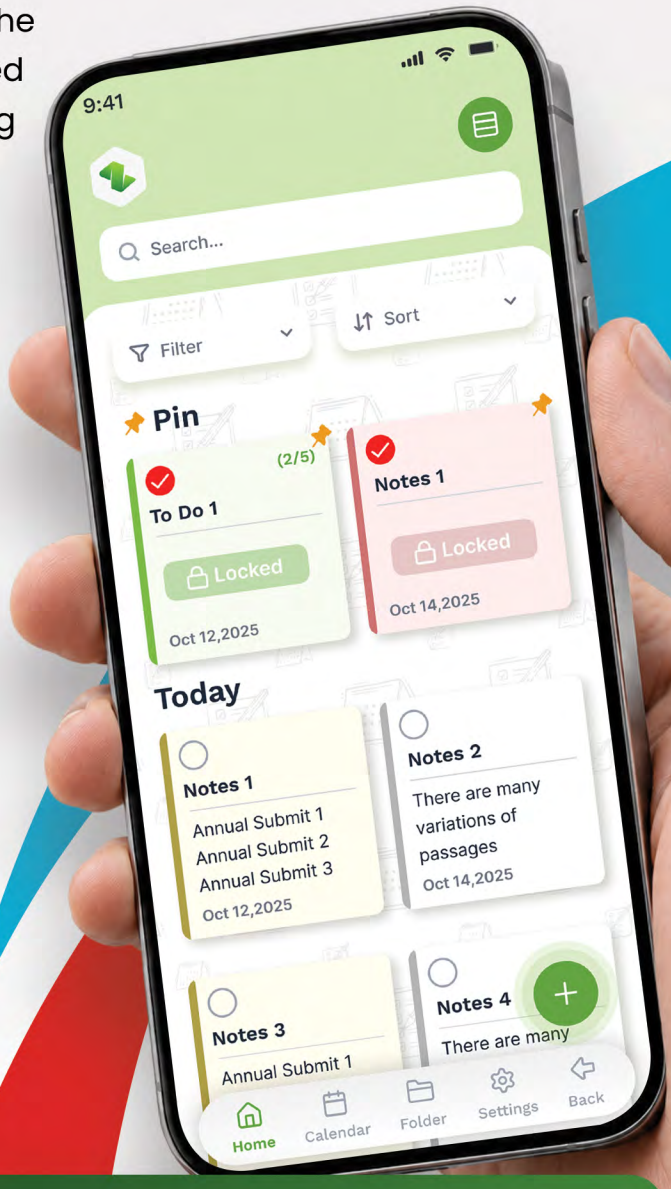
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DESIGN AND BUILD DIGITAL PRODUCTS

# SOFTWARE SHAPED AROUND REAL WORK.

We design products and platforms around the people who use them and the work they need to complete. Product design and engineering move together from the first workflow to long-term evolution.

- Custom ERP and operational platforms
- Native and cross-platform mobile products
- UI and UX design integrated with engineering
- Web applications, customer portals and internal tools
- Legacy-system modernisation




**ZYSH** is a productivity application, available across Android, iPhone, iPad and macOS.

It demonstrates cross-platform product engineering, local operation and user-controlled synchronisation, without turning privacy into an afterthought.

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TECHNOLOGY ECOSYSTEM

# TECHNOLOGY SELECTED FOR THE JOB IT NEEDS TO DO.

We choose tools that support the product, the operation and the long-term ownership model. Technology names remain secondary to the outcome they enable.

## Experiences.

React | Next.js | Vue.js | Flutter | Kotlin | Swift.

## Backend and application services.

Node.js | Python | Django | FastAPI | PHP | Laravel.

## Intelligence and automation.

Python | PyTorch | TensorFlow | scikit-learn | Power BI | QuickSight | n8n | Zapier

## Data and integration.

PostgreSQL | MongoDB | MySQL | REST APIs | GraphQL | WebSockets.

## Edge and connected systems.

ESP32 | Raspberry Pi | MQTT | LoRaWAN | AWS IoT services.

## Cloud and operations.

AWS | Azure | Google Cloud | Docker | Kubernetes | Terraform | CI/CD

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PROOF AND PARTNERSHIP

# ENGINEERING DEPTH.
# PARTNERSHIP THAT LASTS.

Reliable systems matter. So do visible progress, clear communication and a team that stays accountable as priorities change.

> Collatzinc consistently delivers on time, with excellent team project management and reliable quality.
>
> CTO, US Disaster-Relief Organisation

> Collatzinc is the backbone of our fully-integrated ecosystem.
>
> Technology Leader, National Food Distribution Company

**25+** Years of combined engineering

**ISO** 9001:2015 and ISO/IEC 27001:2022

**AWS** Cloud credentials and registered Anthropic partner status

**4.9/5** on Google and Clutch

PORTFOLIO UPTIME ACROSS SUPPORTED PLATFORMS

99.98%
99.99%

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# THE COLLATZ DIFFERENCE

## THE DIFFERENCE IS HOW THE WORK FEELS FROM INSIDE THE PROJECT.

1

### Glassbox Delivery

Priorities, risks and decisions stay visible from the first workshop to every release.

**Faster decisions. Earlier intervention. Fewer surprises.**

2

### Senior Experts. Start to Finish.

Experienced engineers shape the architecture and remain accountable through delivery.

**Real expertise and clear ownership from day one.**

3

### One Team. Across Time Zones.

Key hours overlap for live decisions. Async workflows keep progress moving between teams.

**Shared context across Ireland, India and the USA.**

4

### Fast. Built to Last.

Clean code, automated checks and controlled releases keep each sprint fast without making the next one harder.

**99.98%-99.99% portfolio uptime across supported platforms.**

ONE TEAM ACROSS STRATEGY, DESIGN, ENGINEERING, CLOUD, QUALITY AND SUPPORT.

**BOOK A FREE**
Strategy Consultation

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# BRING US THE PROBLEM

## WE WILL WORK OUT

# WHAT TECHNOLOGY NEEDS TO DO.

Talk to us about the operation you want to improve. We can shape a defined project, phase the work around practical priorities or support a long-term product partnership.

- Local client partnership through our Ireland office
- Engineering and delivery capability centred in India
- Market and client support across Ireland, Europe and the USA




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