



Technology Professional Services

Driving Efficiency With Excellence

**Adopting a state-of-the-art technology stack enables you to
redefine your business capabilities, drive unparalleled
growth, and elevate your performance to an all-time high.**

The CME Technology Professional Services harness the latest and greatest in tech to turn your business strategy into an actionable reality. With our extensive industry knowledge and enterprise agile methodologies, we help you reshape your technology operating model to explore dynamic opportunities and continue leading into the future.

WE HELP YOU



Enhance operational efficiency



Tap into industry-specific technology skill sets



Speed up time to market



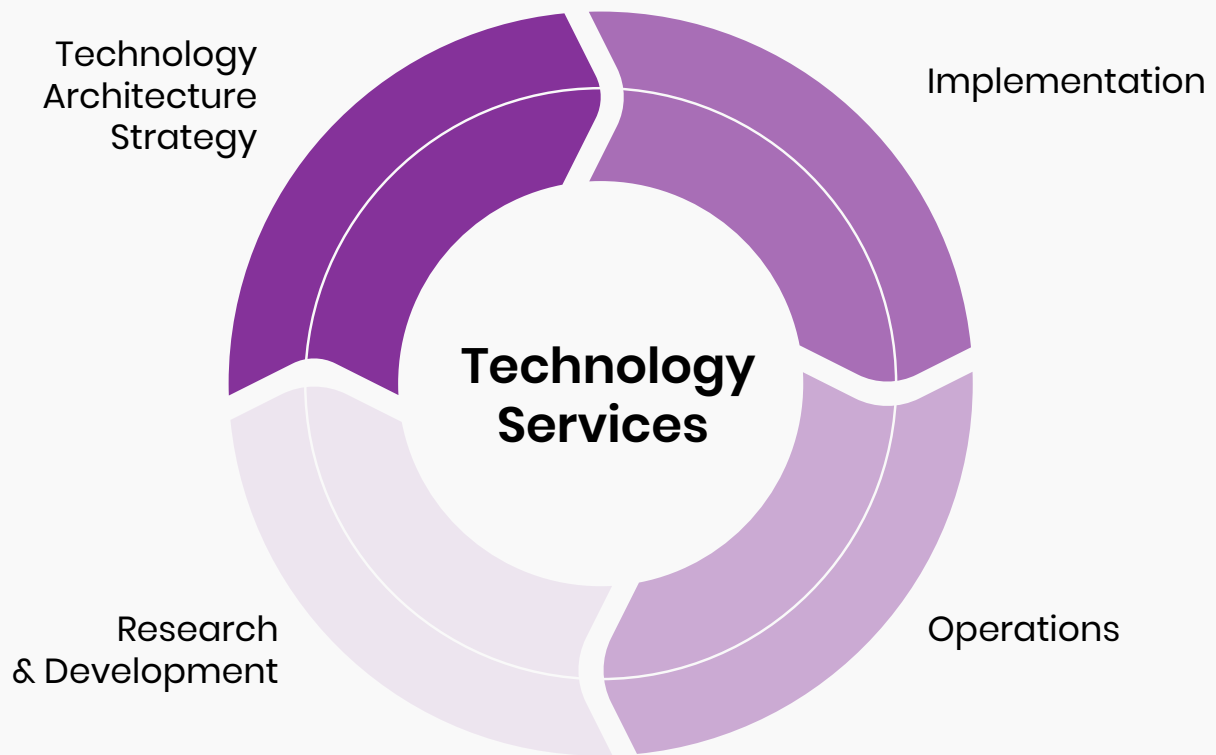
Accelerate your innovation



Deliver outstanding user experiences

SCALING YOUR SUCCESS WITH PREMIUM END-TO-END SOLUTIONS

From large-scale transformations to targeted solutions and day-to-day operations, our services cover the entire spectrum of technology support.





Technology Architecture Strategy

- Technology Road Mapping and Planning
- Infrastructure Transformation
- Legacy System Modernization
- Cloud Migration and Optimization
- Omnichannel Experience



Implementation

- Custom Software Development
- Mobile App Development
- Web Application Development
- Full-Stack Development
- UI/UX Design and Development
- Systems Integration
- Data Analytics and Business Intelligence
- Data Warehousing and ETL Solutions
- Data Integration and API Development
- Big Data and NoSQL Solutions
- Data Governance and Quality Assurance



Operations

- IT Infrastructure Management
- 24/7 Support and Monitoring
- Network and Systems Administration
- Database Administration
- DevOps and Continuous Integration (CI)/Continuous Delivery (CD)
- Help Desk and User Support (L1, L2, and L3)



R&D

- IoT (Internet of Things)
- Embedded Software Development
- Prototyping and Proof of Concept
- Artificial Intelligence (AI) and Machine Learning (ML)

YOUR TECH PARTNER

Since day one, we have been driven by a solid commitment to excellence as we continuously refine our offerings to deliver world-class solutions at efficient cost.

We have a proven track record of supporting over 100 clients worldwide, including **Fortune 500 companies**, with 40% of our revenue derived from iconic brands.

Delivered

300 big scale projects

80M+ users
served daily

40+ years

of trusted tech expertise



Long-Standing Relationships

Our utmost dedication to providing exceptional services has resulted in 90% of our clients choosing to extend their collaboration with us for **over five years**.



cegid

InVita
HEALTHCARE TECHNOLOGIES

KANTAR

Gen Re

tangoe

Paydiant

THOMSON
REUTERS

SUBWAY

DOLLAR
GENERAL

Digicel

WELLS
FARGO

BUDDERFLY

SAICOHEALTH
DAMANA

AVERY
DENNISON

Deloitte.

Highly Qualified Multidisciplinary Team

Our clients' resounding success in their respective fields reflects our team's top-notch capabilities in domain expertise, problem-solving, critical thinking, and lifelong learning.

500

Multidisciplinary engineers and design architects

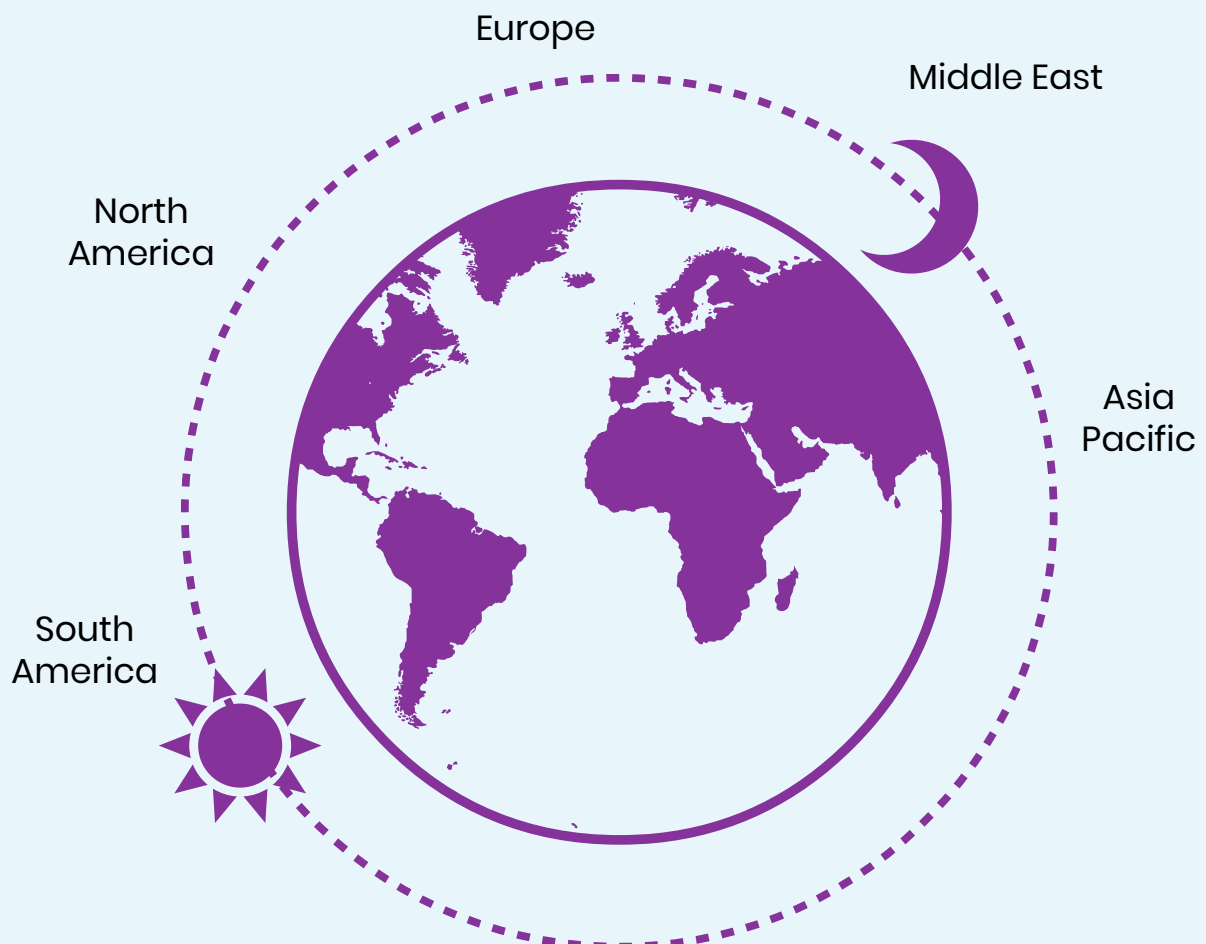
4.5

Years employee tenure average

8

Locations across the globe

Follow-the-Sun Model



TECHNOLOGIES WE WORK WITH



Software Engineering

- **Server Technology**
 - Microsoft tech stack
 - Java tech stack
 - Python tech stack
 - Node tech stack
 - PHP tech stack
- **Front-end Technology**
 - Angular
 - React
 - Javascript
- **Mobile Technology**
 - Android (Kotlin)
 - iOS (Swift)
 - Cross platform (Flutter, React Native)
- **Database Technology**
 - NoSQL: MongoDB, Redis, Influx DB, Vector Database (FAISS, Milvus DB)
 - RDBMS: MS SQL Server, Oracle, PostgreSQL and MySQL, MariaDB
 - Amazon Redshift



DevOps

- Cloud migration
- Continuous integration and deployment pipeline
- Infrastructure as code



Data Engineering

- Cloud-based tools
- ETL Data Distributed Processing
- Data Storage (datawarehouse, data lake)



Artificial Intelligence

- Python Tech Stack
- Computer vision
- Natural Language Processing (NLP)
- Time series analysis
- Regression and classification
- Recommendation engines
- Transfer learning
- Embedded models – Tiny ML



QA Automation

- Functional UI testing: Selenium, Appium, Calabash
- API testing: JMeter, MS Test
- Reporting tools: Allure



Data Analytics

- PowerBI
- Grafana
- Elasticsearch
- Custom dashboards

FLEXIBLE ENGAGEMENT MODELS

Whether you are looking for complete project management, tailored solutions, or team extension, we build the right engagement model that aligns best with your project goals, resources, and timelines.

Staff Augmentation Model

Augment your team with specialized professionals to scale up your workforce on demand.

»» Ideal for addressing specific skill gaps, scaling up for short-term projects, and accelerating project delivery

Dedicated Team Model

Outsource the management and operation of specific areas, freeing you to concentrate on core business functions.

»» Ideal for efficiently managing IT operations, infrastructure, and specific services, reducing overhead and risks

Fixed Scope Model

Agree on a set project price and scope, ensuring predictability and cost control.

»» Ideal for well-defined projects with clear requirements, ensuring budget control and delivery within defined timelines

Collaborative Model

Work together with our experts to collaboratively develop innovative solutions and share joint responsibilities.

»» Ideal for innovation-driven projects, prototyping, and research, fostering creativity and knowledge exchange

Licensing Model

Access and utilize our proprietary technologies, software, or solutions under a licensing agreement.

»» Ideal for leveraging our cutting-edge technologies and tools, reducing development time and costs

OUR WORK IN ACTION



CASE STUDY

Reinventing Retail Digital Engagement

Our client, a leading American discount retailer with over 19,000 stores across the US, was looking to ramp up its eCommerce presence by building a highly engaging digital environment for online customers.

THE CHALLENGE

In 2017, the client sought to replace its outdated and hard-to-maintain legacy app with a cost-effective and scalable solution, offering its clients a streamlined experience while shopping through a vast catalog of products.

THE SOLUTION

CME carefully studied the client's intricate request, and within a record time was able to deliver:

- **A dedicated team** of experienced iOS and Android joining the client's digital team
- **An all-new multi-purpose mobile app** with an advanced UX focusing on sales, marketing, and customer retention and servicing
- **A flexible solution** integrating with the client's large ecosystem and network of partners
- **A handheld terminal application** (HTT app) serving BOPIS (buy-online-pickup in-store) orders

THE IMPACT

Thanks to its intuitive interface and innovative features, the newly developed application enabled users to easily make purchases online, gain digital coupons, receive discounts, earn rewards, and benefit from targeted offers based on their behaviors and profiles. The application was massively downloaded and well received across both major app marketplaces as shown below.



Number of downloads:
20+ million



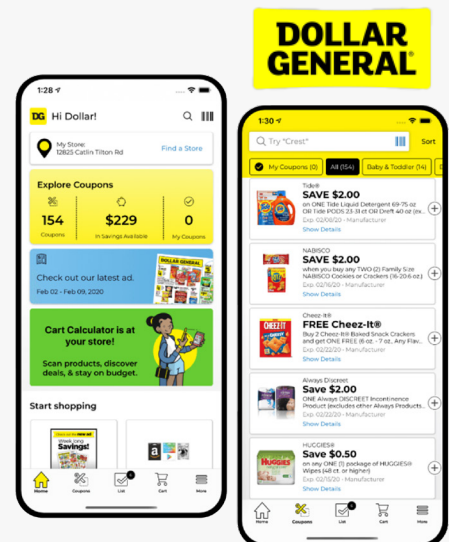
Play Store score:
4.7 (533,187 reviews)



App Store rating:
4.8 (564,401 reviews)

STAFF AUGMENTATION MODEL

Since 2018, the team of experts provided by CME has tripled in size and now consists of iOS and Android Developers, Quality Assurance Specialists, Backend, Database, and Application Programming Interface (API) Engineers.



CASE STUDY



Ensuring Food Safety With AI, IoT And Process Automation

In continuous efforts to optimize its food safety system, our client, a leading American fast-food brand, was seeking the most efficient approach to modernizing its stored food temperature monitoring process.



THE CHALLENGE

For years, our client had to endure the traditional, time-consuming process of manually checking food temperature and logging a huge amount of data on a daily basis. Not only was this process prone to human error, but it also hindered the client's data visibility and reporting.

THE SOLUTION

By combining our tech expertise in AI, IoT, and process automation, we overhauled the client's entire food temperature monitoring system. Here is what we did:

- **Reviewed** the existing system to identify the pain points and plan our next step(s) accordingly
- **Developed** an end-to-end solution consisting of a mobile application and a smart infrared thermometer, connected via Bluetooth, to streamline food scanning and temperature monitoring
- **Compiled** a library of images for each food ingredient to accelerate data classification
- **Implemented** corrective actions in case the obtained temperature measurements did not meet safety standards
- **Created and installed** smart sensors in refrigerators and freezers to ensure the right temperature is being constantly upheld, and detect hardware failures early

THE IMPACT

Our solution has transformed the client's food monitoring system into a fully controlled, fast, and automated process that was seamlessly integrated into a centralized management system. This, in turn, has yielded guaranteed regulatory compliance, maximized productivity, quick employee onboarding, advanced preventative maintenance, and enhanced data visibility.

CASE STUDY

Elevating Data Insights To New Heights

Our client, a leading global data, insights, and consulting company, wanted to elevate its online presence and create a seamless user experience for all its visitors.

THE CHALLENGE

The client's web-only proprietary opt-in research panel was already a well-established and popular attraction among organizations seeking to create insights-driven surveys. But, with its limited targeting capabilities and basic data analytics, the panel was reaching end-of-life status. The client saw it as the perfect opportunity to transform the panel into a native, modern, and scalable mobile application.

THE SOLUTION

As a tech partner, CME's first order of action was to assemble and transplant an expert team consisting of iOS and Android developers, quality assurance specialists, and backend engineers into the client's development ecosystem. In a short period of time, the team was able to achieve the following:

- **Transitioned** the panel from web view to iOS and Android, yielding faster loading times, improved accessibility, and a streamlined login process
- **Implemented** a robust fraud detection system, strengthening the client's process integrity
- **Enhanced** user targeting through preference-based push notifications
- **Adopted** the behavioral-driven development methodology to deliver new releases every two weeks, allowing testers ample time to provide feedback
- **Integrated** automated testing processes into the new app, enhancing quality control and product stability, reducing regression issues, and enabling better time and resource allocation
- **Added** advanced analytics, instrumentation, and monitoring tools to easily detect any problem allowing for early investigation and issue fixing in a timely manner

THE IMPACT

The mobile app was a massive success. It helped the client achieve its vision of expanding into new markets such as Australia, France, Germany, Canada, and the UK. With the new fraud detection system in place, the panel's credibility has drastically increased resulting in the stats below.



+140%
increase in
new app installs

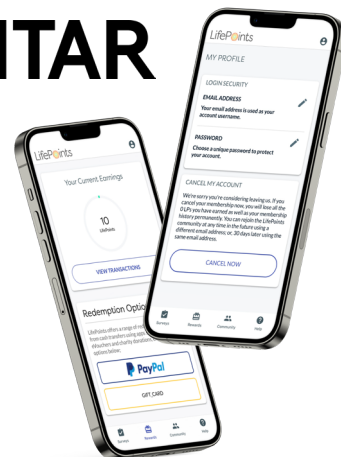


-12%
decrease in monthly
average users' loss rate



+99%
crash-free rate

KANTAR



GET IN TOUCH

For more information, please reach out to us

Contact Us



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We are a multinational premium tech outsourcing firm. Over the years, we have helped more than 100 clients worldwide, including top US Fortune 500 companies, to become and remain leaders in their fields.

In practice, we provide enterprise end-to-end tailor-made solutions and technology services across different disciplines, including Staff Augmentation, Custom Software Development, Smart Devices Engineering, Customer Experience, Internet of Things (IoT), Artificial Intelligence (AI), Data Management, and Process Automation.

By developing scalable and forward-thinking projects, we accelerate digital transformation for businesses and organizations to achieve operational excellence, improve customer engagement, and unlock new growth opportunities.

Our proven track record of success spans multiple industries, including Consumer Goods, Education, Food, Healthcare, Hospitality, Insurance, Market Research, Retail, Sustainability, Telecom, and Utilities. To date, we have contributed to 8 US patents.

With 300+ delivered projects, our teams of highly skilled engineers, creative thinkers, and industry-specific experts operate from 8 locations around the world.

CME serves 80 million users every day!

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