

# Pillars of Success for **Cloud-Native Development**

## Cloud-Native Mindset

Adoption of cloud-native principles to build scalable, portable apps at speed (12-factor app principles, etc.).

## Microservices

Loosely-coupled, service-oriented architecture with bounded contexts. Each service can be containerized, and therefore be portable – fundamental for cloud native.

## Low-Code Development

Rapid development in a graphic UI and with prebuilt components offered by drag-and-drop; could be integrated with high-code components and maximize the reuse of existing code.

## Containers or Serverless

Microservices could be run in separate containers and deployed independently. Containerization eliminates the risk of conflict between languages, frameworks, etc. Serverless helps building and running apps without having to manage servers.

## Orchestration and Continuous Delivery

Multi-cloud management, service mesh, autoscaling, self-healing, observability, CI/CD to automatically build, deploy & test new features.

## Security

Zero trust principle, security and compliance guardrail automation.

### ARCHITECTURE BEST PRACTICES

#### Twelve-factor application

API-first

Microservices and/or serverless solution

#### Telemetry and observability

Authentication and RBAC authorization

FinOps and cost efficiency

#### Performance efficiency and scalability

Reliability and self-healing

# Cloud Enables a Variety of Industry Use Cases

## SOLUTIONS

### TELCO & MEDIA

Smart city  
Edge-computing  
Content delivery & streaming  
Hybrid- and multi-cloud  
Safety hazard monitoring

### ENERGY

Seismic data processing  
EV charge points  
Remote asset monitoring & predictive maintenance  
Geospatial data  
Carbon emission monitoring & management

### FINANCIAL SERVICES

Fraud detection  
Blockchain / distributed ledger  
Wealth management  
Personalized banking  
Paperless & document understanding

### LS & HC

Telemedicine  
Personalized care  
Connected hospital  
Wearables  
Clinical trials

### RETAIL & CONSUMER

Metaverse / immersive experience  
Click & collect  
Physical & digital blended space  
Omnichannel strategy  
Gamification and personalization

### INSURANCE

AI-powered underwriting  
FNOL telemetry  
Claims straight-through processing  
NextGen orchestrated / partner ecosystem  
Usage- / reward-based Insurance

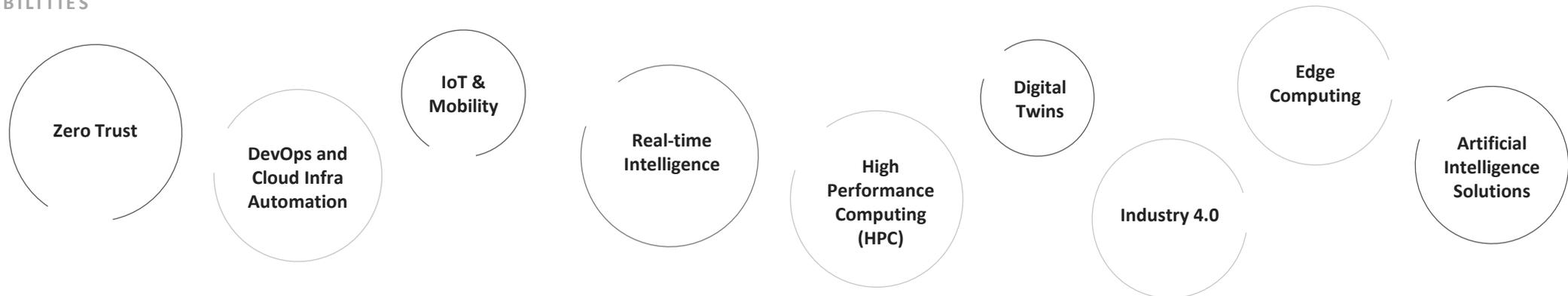
### TRAVEL

Booking data hub  
Digital loyalty platform  
Refunds automation  
Forecasting & decision making  
Connected experience

### AUTOMOTIVE

Autonomous vehicles  
Connected vehicles  
Behavior predictive analytics  
Over-the-air (OTA) updates  
Fleet management

## TECH CAPABILITIES



# Cloud-Native Application of the Future Engagement

Hands-on consulting engagement providing architecture design recommendations for an Application of the Future that addresses true business objectives

## WHAT IS INSIDE

### Envisioning Workshop

- Envision “North Star”
- Business requirements & objectives
- Value mapping
- Feature prioritization list

### Architecture Design

- Cloud-native approach to modern application development
- Architectural components recommendations
- Architecture design options

### Roadmap / Next Steps

- Ideas to explore via POC, MVP, Landing Zones, Project, etc.
- Project approach
- Indicative cost / resource model ranges
- Agreed next steps

## WHAT YOU WILL GET

