

CCP TECHNOLOGIES DEVELOPMENT CAPABILITY MATRIX

VERTICALS

	Internet of Things	Software	Web Technologies	Data Analytics	Blockchain
	LP WAN IoT Protocols including Sigfox, NB-IoT and Cat-M1	Hybrid (Web and Mobile device application) development	Dynamic web application development using Angular JS Framework	Set-up and maintenance of Big Data Platforms (Microsoft HDInsight)	Custom development of Distributed Application (DAPP) development on the Ethereum Platform.
	Local Communication Protocols including WiFi, Bluetooth Low Energy (BLE), Near Field Communication (NFC)	Native iOS and Android device application development for smart phones and tablets	Responsive, cross-platform development using Xamarin forms	Streaming of IoT device data using Kafka streaming services	Blockchain to secure data and enhance trust verification processes.
	Modular hardware design and manufacture (up to four layers)	Design and implementation of layered software architecture	Robust REST API design and development using ASP.NET Web API	Machine learning algorithm development using R Language	Development of smart contracts and Decentralized Autonomous Organizations executed in distributed environments for enforceability and verification.
	Sensor and probe interfaces (temperature, humidity, pH, DO, shock etc)	Structured and unstructured database design and integration (SQL server, MongoDB)		Deployment of Machine Learning algorithms using SparkR & Hive	Blockchain technologies including Solidity, Truffle Suite, Remix, Ganache and Drizzle
	Firmware development in EmbeddedC	Cloud-based application deployment		Business Intelligence tools including Power BI & Tableau (dashboards, reports etc.)	
	Rapid prototyping for nascent technologies	Continuous integration			
	End-to-End product development and production (hardware/firmware/software)	Agile Development			
	Certification-ready product development (Sigfox, FCC Part 15B, IP67)				