



Cykuba

Fintech | Blockchain | Cyber Security

Solutions | Products | Academy

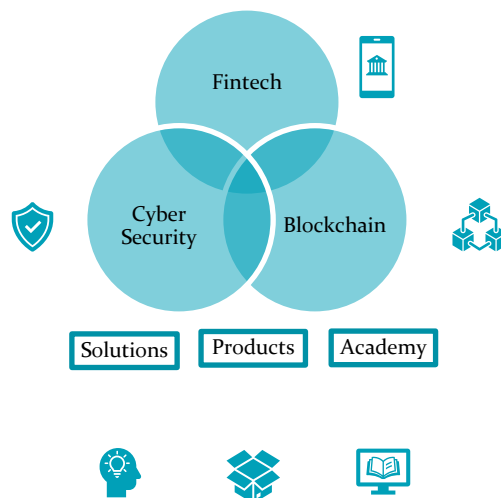
Company Overview

Technology is undergoing a paradigm shift with a major change in how we consume technology and how it impacts our daily life. Although technological advances are happening, but their practical implementations are not growing at the same pace. This is due to a mix of general understanding compounded with limited skills and use case implementation. Cykuba was established by a group of like-minded individuals having global experience in the technology, finance and business fields. The company incorporated in London has its headquarters in the central business district of London.

Cykuba is a technology company working to help organizations realize the full potential of emerging technologies with a focus on Fintech, Cyber Security and Blockchain.

Our Portfolio

Cykuba was established with a focus on three areas of technology causing a paradigm shift and also tightly interrelated.



Cykuba provides end to end services from **advisory, consultancy, software and solution development, systems integration, implementation, in-life support and education.** Cykuba has an experienced and certified team with subject matter expertise carrying experience globally.



Fintech

Our Fintech Services

Fintech can only succeed when the essence of Finance is correctly translated to a technological product fulfilling a market need. At Cykuba we strongly believe that the key is Finance first and then technology. Our team has industry experts who work to translate the financial need into a technological product for our customers thus bridging the gap between the financial industry and technology.

Cykuba offers a wide range of software development, consulting, implementation and system integration services for ethical financial services banking and non-banking financial service providers, Fintech start-ups and entrepreneurs.

Through our products and consultancy, we are contributing to open innovation in the areas of Wealth management, Central Bank Digital Currencies (CBDC), Open banking, Payment Solutions, fractionalization, and microfinancing solutions for the industry. At Cykuba we focus on building ethical solutions which drive a strong financial and social impact while ensuring we maintain a smaller carbon footprint.

The Fintech services we provide are

- Fintech Consultancy (Asset Management, Trade Finance, Open banking and Insurance)
- Turnkey Fintech solution development
- Asset Fractionalization solution development
- Central Bank Digital Currency (CBDC) Advisory, consultancy and product development
- Digital asset solutions
- Payment Gateway consultancy, design and build.
- Wealth management solutions
- KYC screening solution
- Insurtech
- Open banking and PSD2 advisory



Blockchain

Our Blockchain team has a mix of fresh innovative thinkers and experienced industry experts. At Cykuba, we believe in setting market trends while offering our clients tailor-made solutions to fit their business needs.

Our Blockchain Services

- Turnkey Blockchain solution for Development, Implementation and Operations
- Blockchain Consultancy and Advisory (including use case identification, Proof of Concept/Pilots and development)
- On demand Blockchain development resourcing
- Blockchain Business Process Consultancy
- BaaS (Blockchain as a Service) Development
- Blockchain Product Development and MVP (Minimum Viable Product)
- Managed Blockchain services

Our team has a wealth of Blockchain trainings and certifications

- Corda R3 certified blockchain developers
- IBM Hyperledger certified developers
- Certified Ethereum developers
- Oxford University Blockchain Strategy Certification
- UCL CBT Blockchain Certificate
- Certified Blockchain Solution Architect – Blockchain Training Alliance

Decentralized application development

Cykuba can help you leverage Web 3.0 technologies for your eco-system using a public blockchain network. Converting your existing processes and applications to Web 3.0 on the Ethereum blockchain network. Additionally, our teams can help and support technologies like Metamask, Truffle, Oraclize, Solidity smart contracts, tokenization model creation, and its security, creating new coin and financial models around it.

Token based solutions or platforms

We can provide services in developing new token-based solutions by leveraging cryptocurrencies like Ether, bitcoin, etc. The application or platform will be developed with a 100% Web 3.0 decentralized standard. All the organizational rules regarding the funds and coin minting will be written in smart contracts—furthermore, guidelines, and advice on

tokenomics or asset tokenization processes. Legal suggestion (from our partners) and guidelines on registering a new token and its development.

Security Review for Decentralized Application (Public blockchain)

Cykuba can provide code review services for your existing solidity smart contracts based on industry standard security patterns to make sure your contracts are protected from cyberattacks and vulnerabilities.

Blockchain Consortium and network implementation

Our technical team can help in building a blockchain network between participants. We create a consortium using Hyperledger fabric, Corda or Ethereum establishing a private or consortium-based network between the multi-party in supply chain and financial institutions domains.

Blockchain solution development from scratch

If you are looking for a product which you would like to own and customize based on your corporate identity then we can build such a solution. What we do is

- **Consult:** Cykuba will work with you to understand the concept define a road map and align the blockchain technology best suited. This includes a complete visualization and architecture definition of the blockchain network. These service can be on Ethereum, Hyperledger or Corda.
- **Building:** Next stage is building the application using technologies like Java, PHP or nodeJS and server-side language. A complete UI/UX is also built for the product using modern technologies on HTML5.
- **Network Building and Integration with API:** In this phase the blockchain nodes are created and the API's exposed to user application. This includes consultancy for type of hardware, hosting or systems required for their nodes creation.





Cyber Security

Our Cyber Security Services

Information technology is shifting into a new paradigm where more and more devices are coming online and increasing the threat landscape. With the growth in data and connectivity shifting from the data center to the cloud this is further increasing the threat surface of organizations.

CYKUBE CYBER SECURITY SERVICES

An Organizations Cyber Security is not only related to Network and Systems but also encompasses all stakeholders within the organization. Cykuba has the right level of expertise to work with your team to address your specific cyber security needs. Cyber security is not an off the shelf implementation but is customized to an organization's architecture and exposure to such attacks.

Cyber Security services provided are:

- *Cyber Security Assessments (on prem and cloud)*
- *Cyber Security Consultancy*
- *Security Device Management*
- *On Demand Cyber Security Resourcing*
- *Governance and Compliance*
- *Ethical Hacking*
- *Cyber Security Strategy and Business Continuity Management*
- *Vulnerability Scans*
- *Application code review*
- *Cyber Insurance Assessment*

Some of the core services are outlined below.

Cyber Security Consulting

Cykuba offers a variety of services which allow businesses and business leaders achieve the below cyber security strategic goals.

- Alignment of the organizations Cyber Security strategy to the organizational business culture and strategy.
- An appropriate Cyber Security Risk Culture that fits with the organizational culture.

- Enables the right balance between the business' needs to be open and flexible, driving the right customer experience, and the need to be secured and protected enough.
- Integrate Cyber Security risk management with enterprise risk.
- Improved communications and understanding among all internal and external stakeholders.

Cyber Security Gap Analysis and Assessment

The cyber security posture of your organization is an essential part of your overall Cyber Security Strategy. Security Analysis and Threat Assessment is not a one size fits all but is designed around our customer's specific needs. By using security tools and with alignment to multiple compliance frameworks the security analysis and threat assessment assesses an organization's current cyber security posture, gaps and operational security capabilities. This analysis provides you with a complete review of your information security for: identify, protect, detect, respond and recover. After the initial risk assessment is finalized and reviewed, a detailed plan is formulated to bridge the gaps that were identified in the assessment.

The plan includes;

- The Key Areas to be addresses
- Adjustments of Policies and Procedures
- Changes in Security Architecture
- Physical Security and Security Awareness and Training.

Vulnerability Assessment, Penetration Testing and Application Code review

Cykuba offers Vulnerability assessment which is the process of identifying vulnerabilities across the organizations information systems. We use of both open source as well as commercial tools to analyze both network traffic and information systems to identify any exposures that increase vulnerability to attacks. We simulate an attack and test the network and systems' resistance as part of Penetration Testing.

Cykuba's team specializes in advanced White Box and Black-Box Penetration Testing for the following,

- Web Application
- Mobile Application
- Infrastructure/Wi-Fi
- Cloud Application



Information Security Risk and Compliance

Cykuba helps building the framework for Cyber Security through governance, security planning and the right architecture to detect and prevent cyber threats. Cykuba help the organizations to align with ISO 27001, Cyber Essentials and Cyber Security Framework.

Cyber Security Integration and Support

Cykuba assists in Cyber Security Integration and Support which consists of business processes, information, data, application and technology architecture layers. Designing a good architecture effectively and efficiently realizes the enterprise's and IT's strategies by creating key models and practices that describe the baseline and target architectures.





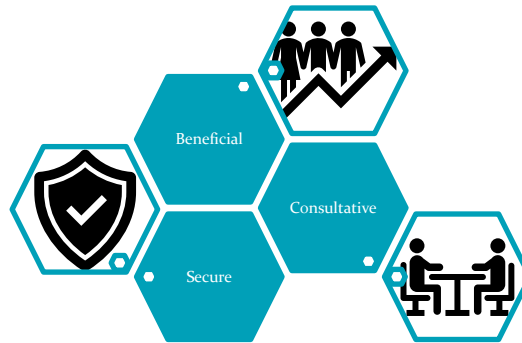
Cykuba Solutions

Our Solutions Development Services

Do you have an innovate app or solution idea or you want Custom Software Development, let us make it a reality. Cykuba solutions has been helping many enterprises and entrepreneurs build solutions with targeted business ROI's.

Our philosophy

We love breaking traditions and our development philosophy reflects our ethos.



At Cykuba we are not just a technical development team but we work with you to make sure the solution is **beneficial** and gives your organization the ROI by taking a **consultative** approach and an inherently **secure** solution.

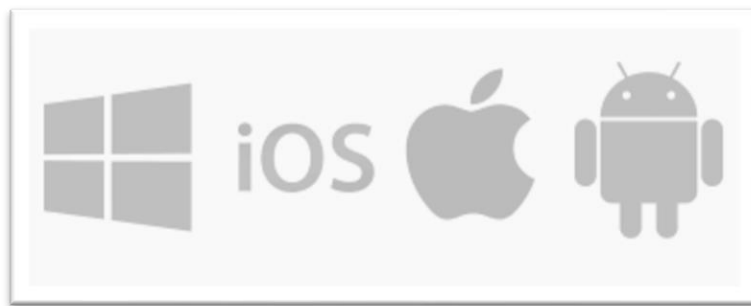
How we can help

- End to End Product Development
- Strategy, Consultation and Advisory
- Blockchain Solution Development
- Resource Augmentation

END TO END PRODUCT DEVELOPMENT

Let us design, develop and integrate your idea to make it a reality. Front end and Back-end development by a team that has delivered many complex projects.

- **Innovation and Product Strategy** - from an MVP to complex solutions
- **Mobile App Development** (Android, iOS and Hybrid)
- **Web App Development** (Portal, E-commerce or custom development)
- **UI/UX design** with customer journey and customer experience consultancy
- **Technology Integration** - Improve your business processes by integrating and combining disparate solutions.



STRATEGY, CONSULTATION AND ADVISORY

Not just development but we work with you for your success

- Technical and Business consulting to ensure your **business goals** are achieved.
- Blockchain and Distributed Ledger **strategy** consulting
- Working with you to fulfill **local regulatory requirements** for solution and cyber security
- **MVP** or **POC** development consulting
- Blockchain **Consortium** consulting

BLOCKCHAIN DEVELOPMENT

Blockchain development is as unique as the need to blockchain. Our team works with you to ensure the right solution design.

- **DApps** - Decentralized Finance and Decentralized Applications development on Corda, Hyperledger and Ethereum
- **Smart Contract** Development – Improve process efficiencies by smart contracts
- **Private Blockchain** development – Use blockchain inter or intra organization for

RESOURCE AUGMENTATION

Extend your tech team for urgent requirements be it Front end, back end or any technical integrations. Resource engagement can be based on

- Fixed scope or
- Day rate

We remain

Accountable

Flexible

Available

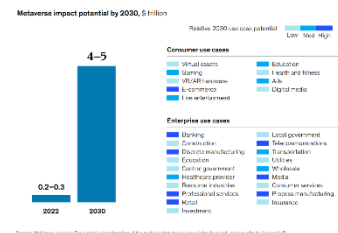
- **accountable** to develop your solution with our own team all along.
- **flexible** because we understand requirements can evolve as your product takes shape – not everything is a scope change
- **available** at all times we understand that one size does not fit all and we adjust to the way you work

METaverse PRODUCT DEVELOPMENT

We are now at an inflection point, where everyday a company or celebrity announces their presence in a virtual universe. A number of new technologies have come together to enable this vision of the Metaverse. Augmented reality (AR) and virtual reality (VR) headsets have become cheaper and more powerful, improving the user experience.

Analysts are predicting a massive surge in the consumer and enterprise use cases.

By 2030 the metaverse could generate \$4 trillion to \$5 trillion across consumer and enterprise use cases.

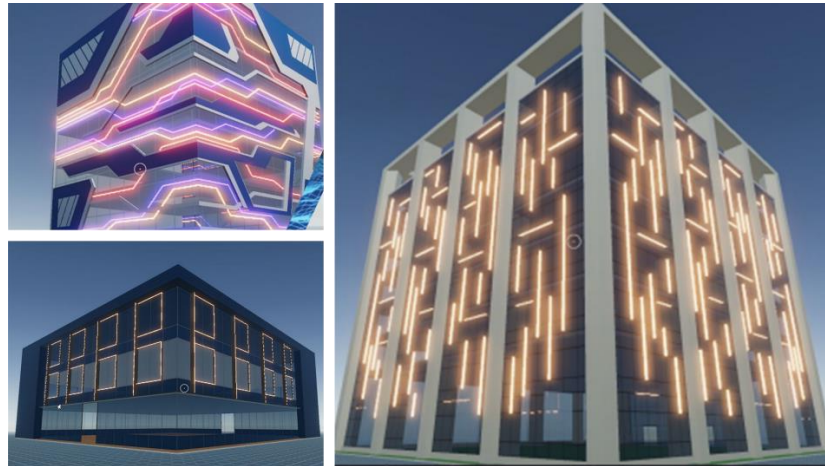


Metaverse will be the place for **socializing, working, shopping** and **gaming** for the future digital native generations.

Cykuba can help establish and grow your business in the Metaverse. Our team of experts carry out the below activities

- **Metaverse Strategy**
Preparing and executing a comprehensive metaverse strategy for your business.
- **Metaverse Land Purchase**
Land purchase assistance with public and private metaverses
- **Decentraland Metaverse**

- Design and development of 3D buildings in Decentraland.
- **Sandbox Metaverse**
Design and development of 3D buildings in a sand box environment
- **Metaverse Marketing Services**
Marketing Strategy and support for Metaverse projects



Some of our Metaverse 3D Building Designs

We have a experienced development team of

- Solution Architects
- Business Analysts
- Blockchain Developer
- Web Developers
- UI/UX Designers/Developers
- Applications Developers
- Technology Consultants
- Project Managers

providing you solutions built across a wide technology stack as per requirements.



Company Information and Contact Details

Cykube Ltd.

Kemp House, 124 City Road, London, England EC1V 2NX

contact@cykube.com

Registered in United Kingdom, Number: 11681033

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