



COMPANY PROFILE

www.sparkminds.net

***WE ARE MORE THAN YOUR
DEMAND AND SATISFACTION!***

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1. ABOUT US

Have a glance of SparkMinds' journey

INDENTIFICATION

Name

SparkMinds Joint Stock Company (SparkMinds J.S.C)

Year of establishment

2021

Headquarter

Floor 3, Moc Gia Building (M.G), 24A Bau Cat 2 Street,
Ward 14, Tan Binh District, Ho Chi Minh City, Vietnam

URL

<https://www.sparkminds.net>

Email

info@sparkminds.net

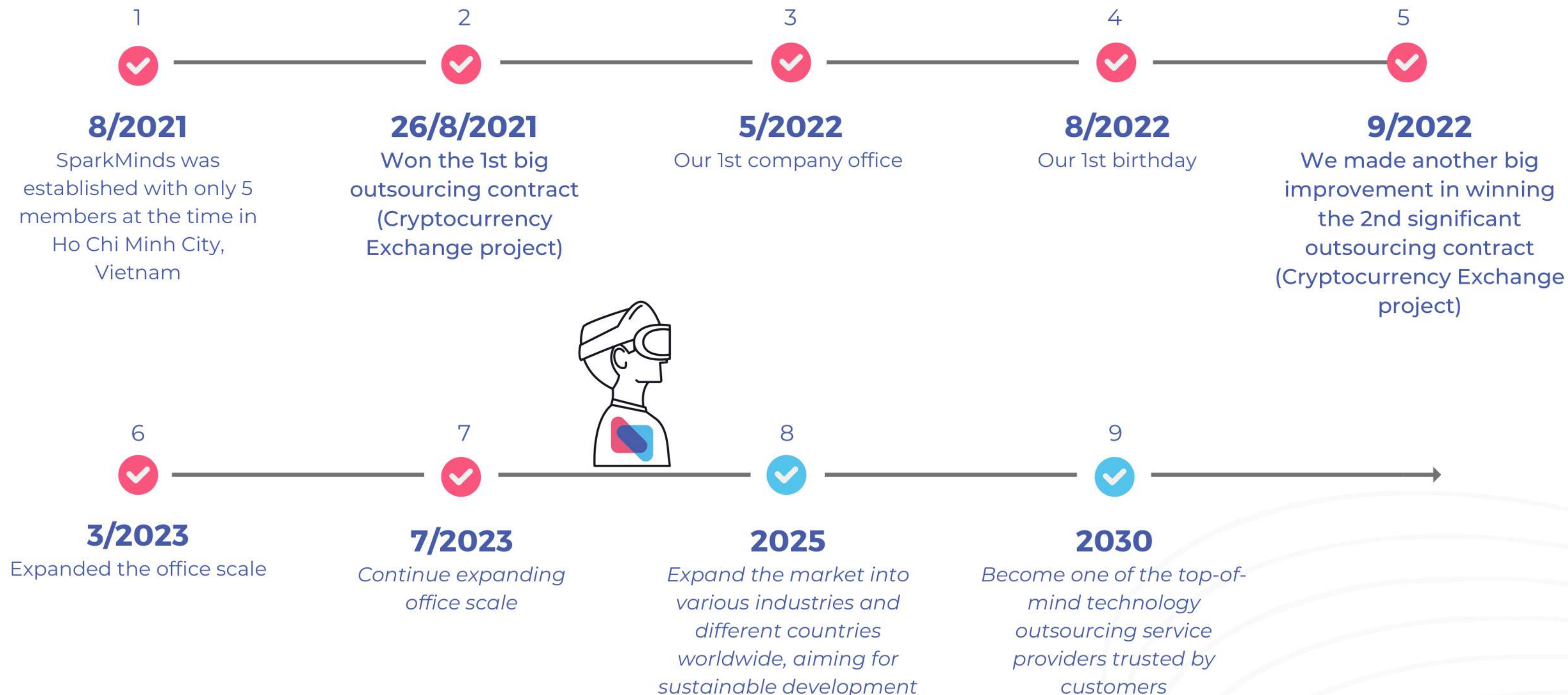
Our Founding Story

SparkMinds is a Software Development Outsourcing firm founded in 2021. Having started our business by implementing Blockchain projects, our honor is to having the success of several multimillion-dollar Crypto Exchange projects. On the upswing, SparkMinds has expanded our labor force and provide technology services in many sectors, such as banking systems, account integration, fintech mobile apps, enterprise financial software, wallet applications, and secure data sharing...all over the world.

A Software Development Outsourcing firm

ROADMAP

Those movements mark a new turning point of our growth



CORE VALUES

“

Culture does not make people.
People make culture.

”



1 Gain Speed

- Achievements by speed in work
- Work smarter, not harder



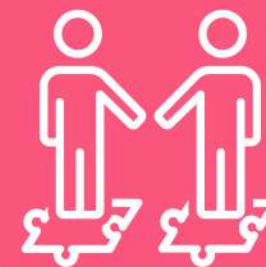
2 Maintain Determination

- Never thought of giving up



3 Remain Responsibility

- Individuals commit to their words



4 Attain Sustainability

- Values to both customers and staff

VISION

Become a leading outsourcing technology service company in Vietnam delivering the essence of value through three key aspects: human resource education, service quality, and customer satisfaction.

MISSION

Create sustainable value through the development and training of our strategic workforce, providing the best quality services to satisfy our customers, and cultivating a company culture based on our four core values.



2. WHY CHOOSE US

Get to know more about us



EXPERIENCES

| 5-13 Years

of working experience

| 50+ Projects

successfully delivered

| 10+ Industries Covered

amazing collaborations

| 2 Big Projects

of Cryptocurrency Exchange

| & Worthy Projects

up to multimillion-dollars

| 7+ Nations

Thailand, Vietnam, India, Japan,
Singapore, Germany, and America

TALENTED PEOPLE

Abundant and High Quality Human Resources

We always try to learn and upgrade ourselves with the newest technologies and programming languages for the purpose of providing the most modern web application to our clients.

- Conducting frequent training programs to enhance staff's skillsets getting their required certificates
- Responsibly deliver and handover scope of work whenever replacement for staffs happens
- Always in ready-to-print state for staff renewal in order to ensure project's progression

In-demand Certificates

SparkMinds has the expertise, talent, and software quality assurance services needed to complete any development project successfully.



• And more...

In-depth Experience

We have delivered many projects in a variety of fields and enriched our experience through these projects.

- High-experienced QC Testing team in different domain services
- QC Testing team has the capability of thoroughly analyzing customer's requirements
- Our experienced Business Analyst team has led successful projects in Banking, Fintech, E-commerce, and other industries

English Proficiency

With a high level of English proficiency and flexible leadership and management skills, our team excels in delivering exceptional results.

INDUSTRIES

By serving clients across different industries, we gain valuable insights and expertise that allow us to deliver tailored solutions and address specific industry needs.

Blockchain

AI

Finance & Banking

Insurance

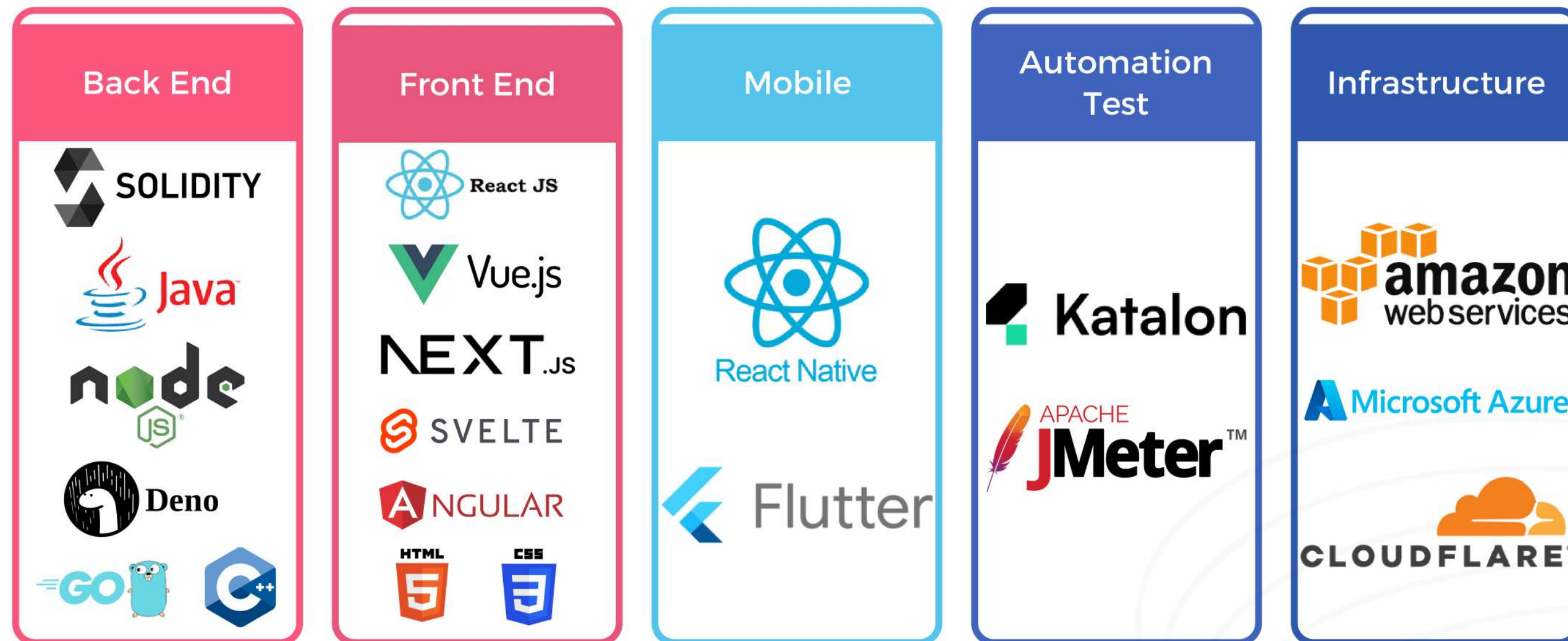
E-commerce

Transportation

• And more...

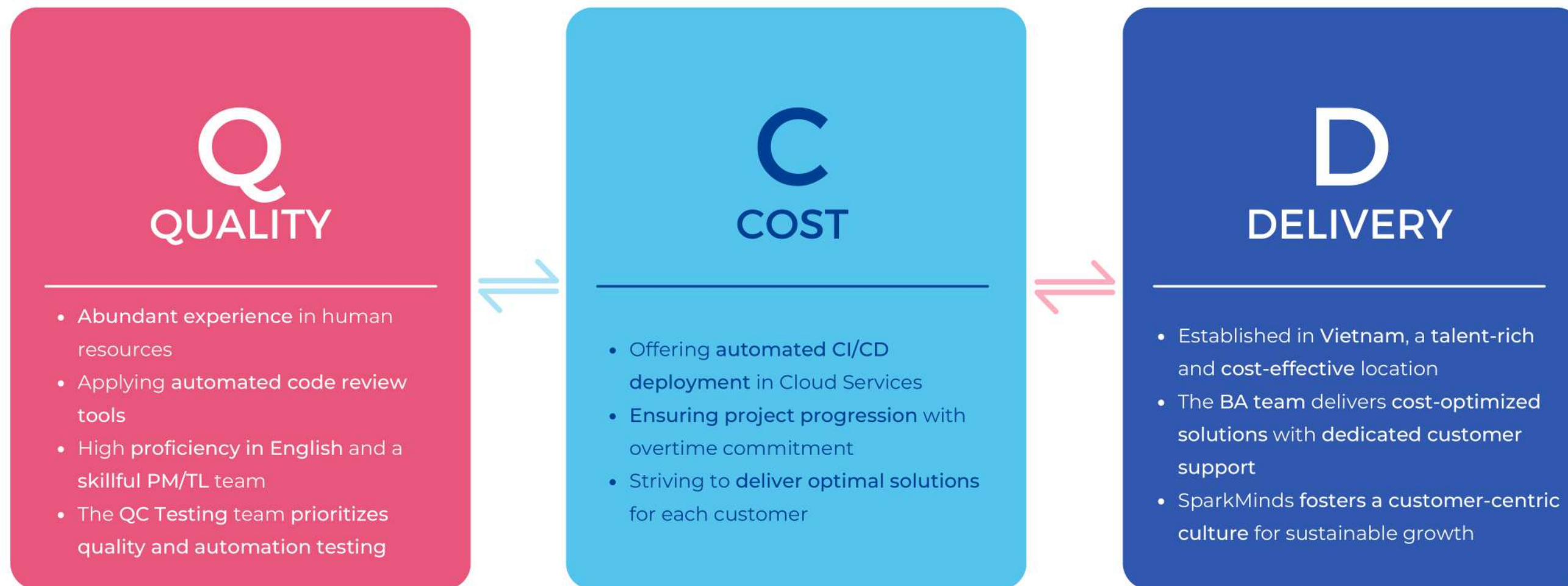
TECH STACKS

SparkMinds has expertise in every prominent technology stack. Back-end and front-end technologies, frameworks, and infrastructure platforms are all included. Our company is built around the formation of highly successful technology teams, and we have developed technology-focused teams within our company to provide clients with access to the best of the best in each technology stack.



MANAGEMENT APPROACH

We drive our business toward the QCD model, as reference:



"At SparkMinds, we are not only the implementers but also the consultants beside you!"

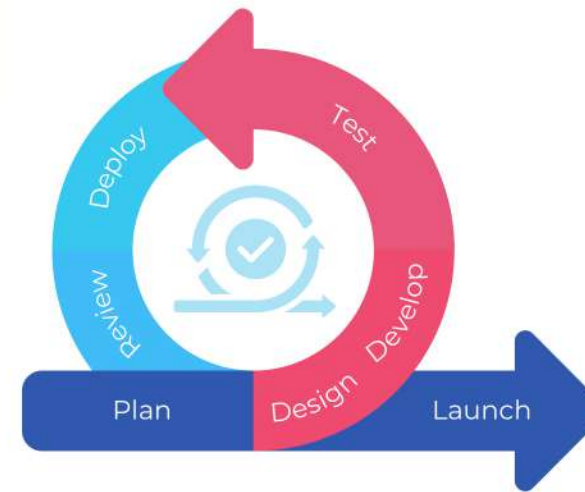
METHODOLOGIES

We offer customized working methods for diverse project and client requirements

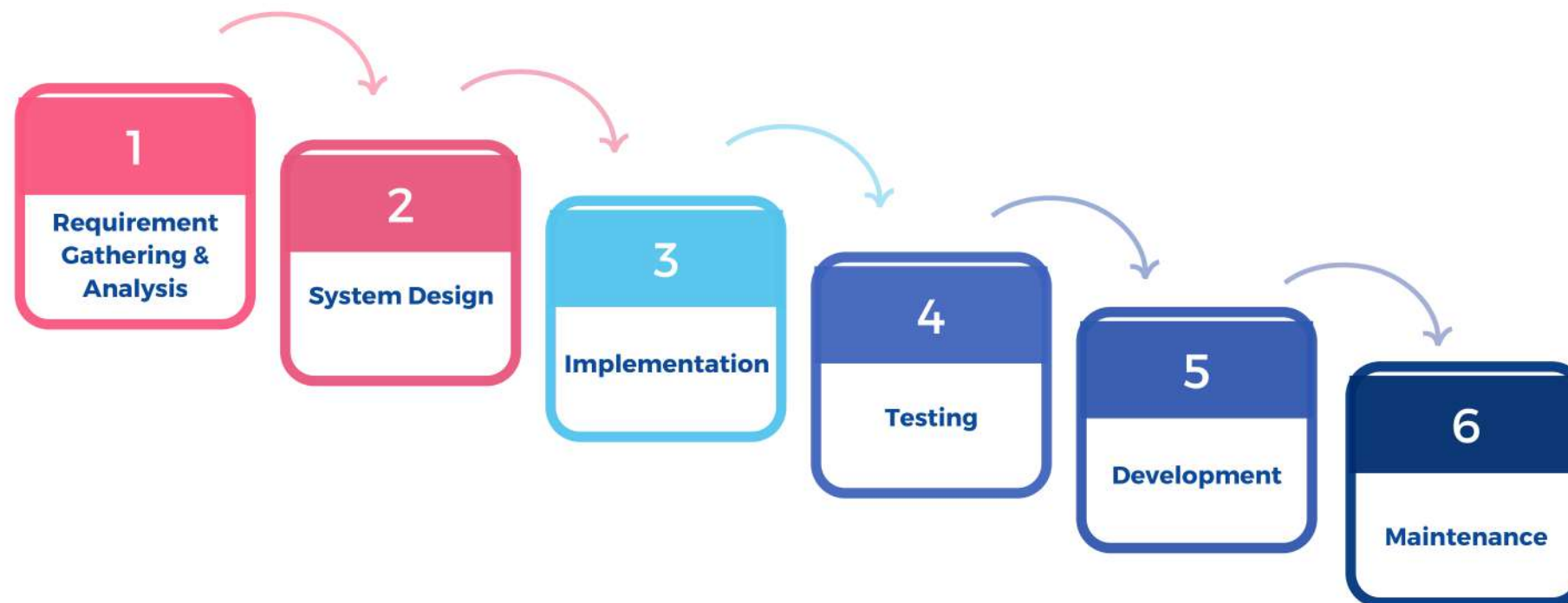
A. The Agile Approach



SCRUM ACTIVITIES



B. The Waterfall Model








C. The Spiral Model



Visit our website sparkminds.net to read more about this method!

COMPETENCIES

Our team is highly skilled and experienced in implementing and executing comprehensive quality assurance measures to ensure the delivery of flawless software solutions

					
Comprehensive Security	Guaranteed Quality	Real-time Tracking	Flexible Capability	Amazing Tech Team	Cost-optimized Solutions
We comply with strict security policy to ensure the safety of clients' information	Every product must go through our QA & Testing Department before being delivered to our customers	Customers can easily access to supervise and track project's progress via our mobile app at anywhere, any time	We have delivered different project types specifically designed for various industries and sectors throughout systematic and efficient working processes	Technical experts keeping up with emerging technologies, and high rates of English proficiency, and always in a ready-to-sprint state to customer's need	With our highly dedicated and skilled team, we are committed to providing you with optimal and cost-effective solutions that are meticulously crafted through thorough and streamlined analysis



3. OUR SERVICES

Confidently providing the most wholly-completed solutions



SERVICES

We offer your business End-to-End services



1. Blockchain Development

1. Smart Contract
2. CEX Development
3. DEX Development
4. Mint, Marketplace (NFT)
5. E-Wallet
6. Payment Gateway Application
7. Crypto Liquidity Provider
8. Private Blockchain
9. Launchpad White Label (ICO, NFT...)



2. Mobile Application Development

1. Hybrid Development (iOS/Android)
2. Mobile UI Design

- *Cost-optimization & Synchronization*
- *Real-time issue tracking*
- *Various device compatibility*
- *Processing speed optimization*

"One source code, All devices."



3. Custom Web/App Implementation

1. Web Application Development
2. Software Application Development

- *End-to-End solutions*
- *Tailoring implementation based on customer's requirements*
- *Quality Guarantee*
- *Latest Technology Updates*

"Your dream & only application."

SERVICES

We offer your business End-to-End services



4. Dedicated Resources Hiring

1. Frontend Developers
2. Backend Developers
3. Mobile Developers
4. Testers
5. Business Analysts
6. Project Managers
7. Engineer DevOps
8. Designers



7. QA & Testing

1. Manual Testing
2. Web Automation Testing
3. Mobile Automation Testing
4. Performance Testing
5. User Experience Testing
6. Security Testing



5. Ongoing System Maintenance

1. Corrective Maintenance
2. Customized Maintenance
3. Enhancement Maintenance
4. Preventive Maintenance

- *Fully maintenance lifetime commitment*
- *System re-documentation*
- *Very fast catch-up (< 1 month)*
- *CI/CD & source code deployment*
- *Development & bug fixing*
- *Testing & improvement*
- *Migration & upgrades*
- *Involve BA & Technical experts*



6. Cloud Infrastructure Setup

1. Cloud Services
2. CDN Service

"We've got your back-up safe and secure."



8. IT Consulting & System Architecture

1. Technical Consulting
2. Industry Consulting
3. System Design/System Architecture

"Nothing is impossible."

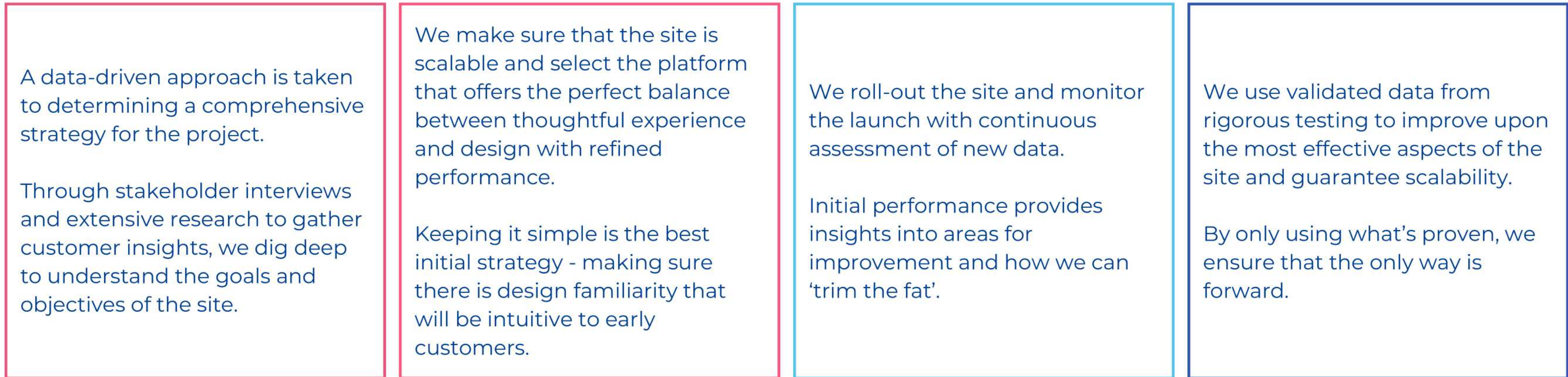


4. IMPLEMENTATION

Explore how we work things out here



WORKING PROCESS



- Workshop
- User Personas and Journey Map
- Wireframes, Sketches, and Prototype
- Information Architecture
- Recommended Technology Stack
- Business and Functional Requirements
- Roadmap & Sprint Planning

- Visual Design
- UI Kit and Style guide
- Coding & Development
- User Acceptance Testing
- Operational Training

- Launch Strategy
- Go-Live Checklists
- Data & Analytics

- KPI Monitoring
- Continuous Testing & Iteration
- 24/7 Support

QUALITY MANAGEMENT

Activities	Purpose	When	Who	Environment
1. Self Code Review	To have a chance for developer to review the coding by themselves and correct it, also to avoid for performance degradation	<ul style="list-style-type: none"> • During development • After development 	Developer	Local development
2. Unit Testing	<ul style="list-style-type: none"> • To do the unit testing before submitting code to GitHub • Required to write the testable code which could be tested by .NetUnit 	<ul style="list-style-type: none"> • After finishing development • Before pushing code to GitHub 	Developer	Local development
3. Coding Review	Senior/Principal developer to do the code review to avoid the: <ul style="list-style-type: none"> • Coding degradation • Violated coding best practice 	As needed	Senior/Principal developer	Local development
4. Test Checklist	To ensure all necessary tests have been conducted	During testing	Developer/Testing team	Test environment

QUALITY MANAGEMENT

Activities	Purpose	When	Who	Environment
5. Coding Scanning	To review and correct coding, prevent performance degradation	<ul style="list-style-type: none"> • During development • After development 	Developer	Local development
6. Security Scanning	To test code for security vulnerabilities	<ul style="list-style-type: none"> • After finishing development • Before pushing code to GitHub 	Developer	Local development
7. Performance Testing	To evaluate code performance and identify issues	As needed	Testing team	Test environment
8. Acceptance Criteria	To define criteria for accepting completed work	As required	Business Analyst team	Team environment

TOOLS

Project Management



- Log estimate for task
- Log project tasks & work performed
- Bug tracking



- Manage project documents



- Source code management

Software Deployment



- Deploy resources to AWS
- Create a live lambda development environment



- Continuous delivery and deployment
- Continuous integration



- Automated CI/CD for streamlined software releases
- Faster and reliable deployments
- Seamless integration with tools and services
- Simplified workflow from source code to production

Quality Management



Communication Tools



- And more...

- All correspondence with customers is handled in English

CONTRACT TYPES

Fixed Price Project

Dedicated Project

Burn-Hours Project

	Fixed Price Project	Dedicated Project	Burn-Hours Project
Type	One time	Period	Period
Pricing	Fixed	Work logged	Work logged
Duration	Fixed	By contract	By contract
Resources	Flexible	Fixed	Flexible
Schedule	Fixed (Commit to the client)	Flexible (In order of priority)	Flexible (In order of priority)
Scope	Fixed	Flexible (Based on client's requirement)	Flexible (Based on client's requirement)

*Or having your contract type designed just for your needs!

**Lifetime
Warranty**

**Implementation
At Multiscale**

**ENDURING
COMMITMENT**

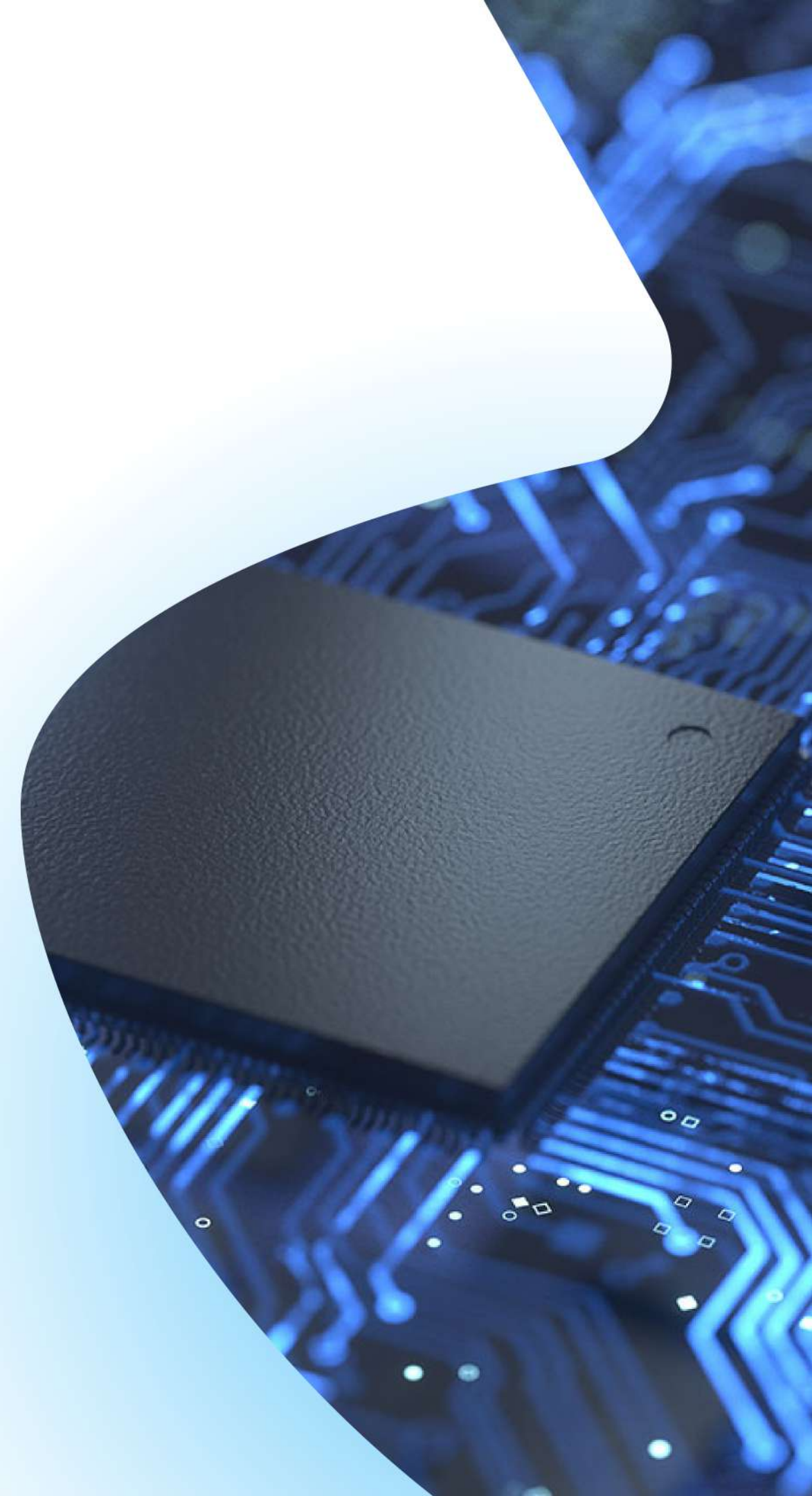
**Technology
Innovation**

**Support Everything
From Scratch**



5. OUR PROJECTS

Our efforts in the way of implementing the motto
"Checking things right & checking the right things"



Presented By  SPARKMINDS

PROJECT A



PROJECT A

Project Name Cryptocurrency Exchange Platform

Industry

Blockchain

Client

Private

Platform

Web/Mobile App

Technology

Private

Team Size

Private

Description

This is a project to develop a crypto exchange platform that allows users to buy and sell cryptocurrencies with full functionality such as Auto-KYC, Deposit/Withdrawal of FIAT and Crypto, Trading with a Matching Engine, and Liquidity Provider integration.

Challenges

- Ensure legal protection for users set by the Securities and Exchange Commission (SEC)
- Financial Impact of Cryptocurrency Downtrend
- Balancing Project Quality and Cost
- Risk of Uncertain Market Conditions
- Managing Stakeholder Expectations

Accomplishment



With their own experience and a team of experienced consultants, the project's technical and business implementations are streamlined and accurate, minimizing costs, time, and resources. For a large-scale project, even a single incorrect business or technical approach can lead to a cascade of issues. By forecasting and providing appropriate solutions based on previous project experiences, this project ensures the highest quality while maintaining reasonable and cost-effective measures.

Optimization

- Utilizing AI in the workflow
- Automation of code review
- Proper task allocation
- Utilizing 3rd party services to save costs
- Adhering to strict quality processes
- Experience from previous projects

Solutions

- Building the system based on previous experience
- Maximizing the utilization of 3rd party service providers for integration
- Emphasizing automation
- Harnessing the power of AI
- Deploying, advising and supporting to accompany clients

PROJECT A

Features

1. Functional

- eKYC (Automated KYC compliant with Anti-Money Laundering regulations)
- FIAT Deposit/Withdrawal with banks
- Crypto Deposit/Withdrawal
- Support for Multiple Coins and Networks
- Trading (Buy/Sell - Full order/Partial order matching)
- Integration with Liquidity Providers
- Helpdesk Center

2. Non-Functional

- **High Performance:** The server system incorporates auto-scaling to handle a large number of concurrent users, optimizing the matching engine to process hundreds of thousands of orders simultaneously (including BOT trading).
- **Multi-Platform:** Ensuring the platform operates smoothly on various platforms, including responsive web browsers (PC, tablet, mobile), Android and iOS applications.

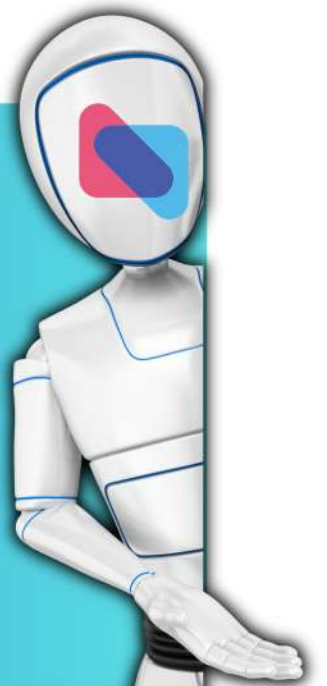
Security

1. User Security

- Two-factor Authentication
- Login Throttling
- Non-guess message response
- Complexity policy for password and PIN

2. System Security

- HMAC Authentication
- DDoS Attack Prevention
- XSS, CSRF & SSRF protection
- Encrypted data
- CloudFlare (CDN) integration
- IP Whitelist/VPN
- Secret key stored in Vault
- Multisignature cold wallets
- Hide sensitive data in logs
- Frequent security scanning with OWASP, SynkIO, and AWS Security Scans



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PROJECT B



PROJECT B

Project Name DEXWONDER

Industry

Finance & Banking

Client

Dex Wonder

Platform

Web App

Technology

Private

Team Size

Private

Description

A system aimed at integrating all DEX platforms worldwide.

- Directly connect users to their Smart Contracts
- Enable users to the most optimized DEX platform & allow users to execute swaps directly

Optimization

- Utilizing existing libraries of DEX platforms
- Integrating DEX platforms based on networks to expedite the integration process
- Leveraging APIs from statistical websites to provide data for the system

Features

Functional

- Search for DEX platforms supporting
- Perform comparisons between different DEX platforms
- Support transactions with various DEX platforms quickly on a single platform
- Support user transaction history

Non-Functional

- High Performance: Auto-scaling server system
- Web Responsive: Ensuring optimal system performance
- User Experience: Clear warnings and prevention of transactions, avoiding user confusion and financial losses

Solutions

We deployed the project with a team of experienced developers in the blockchain field, leveraging available libraries of DEX platforms and providing advice/search for renowned DEX platforms to optimize costs while achieving the best results.

Accomplishment



The team has successfully built an efficient system for comparing DEX platforms, satisfying customer investors, and receiving promises to continue developing the project, such as a Mobile App and Dex Trade.

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PROJECT C



PROJECT C

Project Name Company Review - Web3

Industry

Blockchain

Client

Private

Platform

Web App

Technology

Private

Team Size

Private

Description

Company Review is a web3 blog that allows employees to review their company anonymously.

- Offers unbiased insights into companies, providing objective information for prospective employees
- All information from company information, review content, images, and ratings are stored in a blockchain-based decentralized network, where data cannot be counterfeited or replaced

Optimization

- Utilize experience from previous projects to maximize project speed and quality.
- Use IPFS to store data for saving costs.

Features

- Search/lookup company information
- View company reviews and ratings
- Rate companies

Solutions

Use Smart Contract to store information, with each corresponding information being a token. The token is divided into 2 parts, content and id. The id is stored in the smart contract while the content is stored on IPFS to save storage costs.

Accomplishment



With knowledge from prior projects, the development team developed the Company Review web3 page in about 1 month, meeting customer requirements and receiving positive feedback.

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PROJECT D



PROJECT D

Project Name NFT Launchpad/Mint/ Market Place

Industry

Blockchain

Client

Private

Platform

Web App

Technology

Private

Team Size

Private

Description

This is a set of projects related to NFT. It includes NFT Launchpad, building a website that shows release information of an NFT collection. Next is building the Mint-NFT function to help create NFT Collections and store them on the Blockchain system. Finally, NFT Market Place supports users to upload, buy, or sell their NFTs.

Features

- Integrate Metamask
- Show release information of NFTs
- Store purchased NFT information for each user
- Generate a set of NFT collections based on rarity levels or predefined criteria
- Upload NFTs and allow users to buy/sell NFTs with each other through Market Place

Accomplishment



The project has exceeded expectations, with only 2 months of time. In addition to providing products as requirements from customers, we also provide suggestions/support to customers with accompanying solutions (Mint NFT as well as advice during the operation of NFT Market Place).

Optimization

- Use IPFS to store data for saving costs
- Consult with the company's Blockchain experts for advice

Solutions

- Use smart contracts to create NFT based on ERC 721 standard
- For Marketplace: Create smart contracts to execute buy and sell orders

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PROJECT E



PROJECT E

Project Name Mobile App - Cryptocurrency Exchange Platform

Industry

Blockchain

Client

Private

Platform

Mobile App

Technology

Private

Team Size

Private

Description

Building a Mobile App for a Cryptocurrency Exchange platform based on the pre-existing API platform.

- Required to have all the necessary features of a cryptocurrency exchange, including integrated candlestick charts, user face recognition, and authentication for KYC, trading, deposit, and withdrawal functionalities
- Must ensure a high-performance architecture and meet the customer's security requirements

Optimization

- Developing the app using a Hybrid approach
- Rational division of work

Features

Functional

- Trading (Buy/Sell)
- FIAT Deposit/Withdrawal
- Crypto Deposit/Withdrawal
- eKYC via Mobile App
- Trading chart candlestick
- Customer helpdesk for mobile

and many other functions...

Non-Functional

- High Performance: Operates efficiently with tens of thousands of user accesses
- Multi-device/multi-platform: Ensuring smooth operation on devices
- Real-time device logs: Sending real-time logs from each device to Google Analytics/Sentry
- Security: Ensuring security measures, and other mobile app-related security rules

Solutions

- Evaluation and implementation of a Hybrid app approach
- Choosing appropriate programming languages
- Involving experienced developers on crypto exchange platforms
- Integration of Google Analytics/Sentry to identify and handle all non-API-related errors
- Implementation of specific security rules

Accomplishment

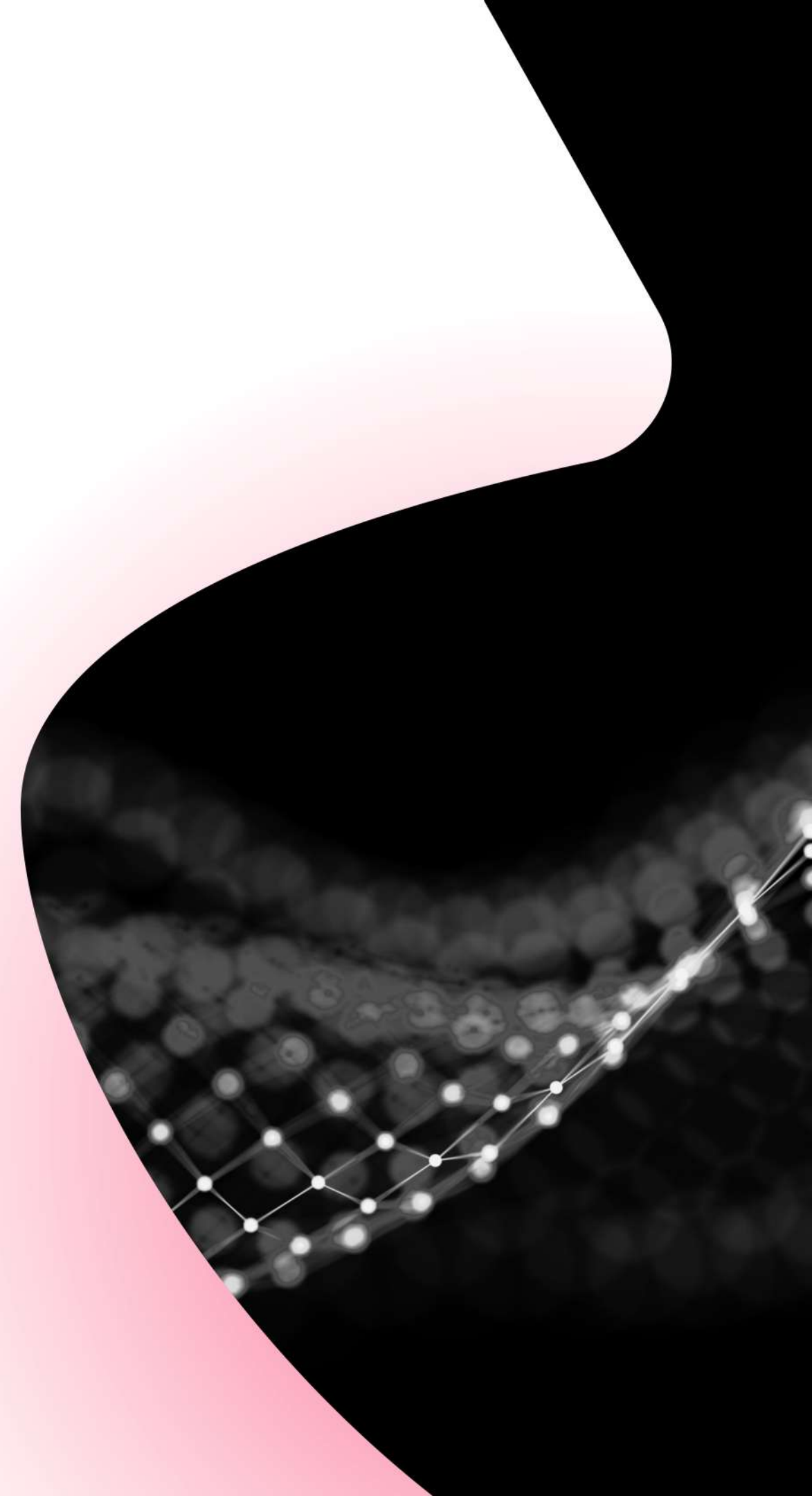


Within less than 3 months, the team successfully completed the app for the client, meeting the set deadlines and quality standards. This achievement serves as a foundation for future projects, as the client continues to engage SparkMinds for further collaborations.



6. CONTACT US

Your amazing idea deserves a reveal!



ENGAGE WITH US

Connecting with us is never been so easy like this before!



Floor 3, Moc Gia Building (M.G), 24A Bau Cat Street, Ward 14, Tan Binh District, Ho Chi Minh City, Vietnam



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[SparkMinds J.S.C](#)



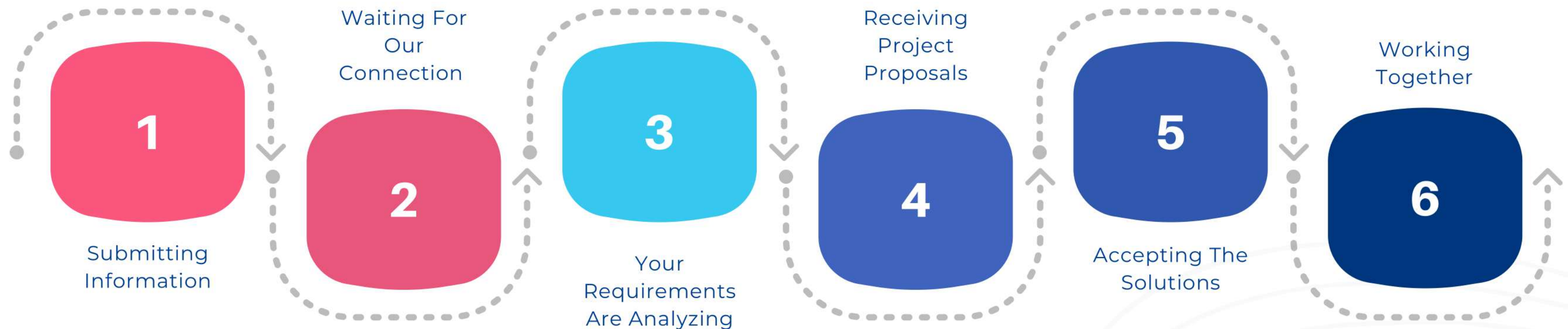
<https://www.sparkminds.net>



<https://www.linkedin.com/company/parkminds-joint-stock-company/>

ON-BOARDING PROCESS

Here at SparkMinds, we cherish every customer as an organization member. That is why we always consider step-by-step seriously and gently welcome you to our tech "hub" - where there are individuals with the same vision as your business.



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LET'S WORK TOGETHER!

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