

An abstract, glowing orb with a vibrant, iridescent surface. The colors transition from deep purple and blue on the left to bright magenta and pink on the right, with a bright white highlight on the right side. The orb has a soft, ethereal glow and is centered in the background.

Quantum Shield Technologies (QST)

POST-QUANTUM SECURITY FOR THE FUTURE OF FINANCE

Agenda

Introduction

Problem Statement

The Solution

Market Opportunity

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Competitive Advantage

Business Model

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Year 1 Budget Overview

AWS Infrastructure Costs

Team

Financial Projections

Introduction

Quantum Shield Technologies (QST)

Post-Quantum Security for the Future of Finance

Joel Van Dyk

Problem Statement

Quantum Computing Threats

- Endangers traditional cryptographic methods

Vulnerabilities in Financial Institutions and Blockchain Networks

- Susceptible to quantum computing attacks

Rapid Evolution of AI-driven Cyber Threats

- Increasingly sophisticated and difficult to counter



The Solution

Post-Quantum Cryptography Solutions

- Designed for financial tools and blockchain security

AI-Powered Fraud Detection

- Enables real-time risk mitigation

Quantum-Safe Blockchain Infrastructure

- Suitable for enterprises and governments



Market Opportunity

Quantum Computing Security Market

- Projected to reach \$9 billion by 2027

Blockchain Security Market

- Expected to hit \$1.4 trillion by 2030

AI in Cybersecurity

- Estimated to grow to \$46 billion by 2028

Target Sectors

- Financial institutions
- Governments
- Enterprises
- Blockchain developers

Product Offerings



Post-Quantum Financial Security Suite

- Secure wallets
- Quantum-resistant payments

AI-Powered Blockchain Analytics

- Fraud detection
- Predictive insights

Quantum-Safe Blockchain Infrastructure

- Secure decentralized finance (DeFi)
- Enterprise solutions

Enterprise Cryptographic Services

- Secure communication

Cryptographic APIs for Developers

Competitive Advantage

Quantum-Resistant Cryptography

- Lattice-based security

AI-Enhanced Cybersecurity

- Proactive threat mitigation

Blockchain Innovation

- Zero-knowledge proofs
- Sharding

End-to-End Security

- Integration across financial and blockchain ecosystems

Business Model

SaaS Subscription Fees

- Access to financial security tools

Licensing Fees

- Post-quantum cryptographic libraries

Consulting Services

- Enterprise and government security solutions

Transaction Fees

- Securing DeFi and blockchain transactions

API Monetization

- Subscription-based cryptographic APIs

Go-to-Market Strategy

Early Adopter Program

- Partner with banks
- Collaborate with fintech firms
- Engage with blockchain projects

Thought Leadership

- Publish research
- Host webinars
- Attend security conferences

Strategic Partnerships

- Collaborate with quantum research labs
- Work with cybersecurity firms

Digital Marketing & Outreach



Budget Breakdown

R&D

- Budget: \$1,000,000
- Percentage: 24%

Salaries & Talent Acquisition

- Budget: \$1,780,000
- Percentage: 43%

Marketing & Branding

- Budget: \$500,000
- Percentage: 12%

Infrastructure (AWS, etc.)

Legal & Compliance

Contingency



Total Budget

\$4,120,000



AWS Infrastructure Costs

EC2 Compute Instances

- Annual cost: \$120,000

S3 Storage

- Annual cost: \$36,000

Virtual Desktops (WorkSpaces)

- Annual cost: \$84,000

Total AWS Costs

- \$240,000 annually
- Represents 6% of the budget

Team

CEO

- Industry Leader in Cryptography

CTO

- Expert in Quantum-Resistant Security

CPO

- Product Strategy & Development

Senior Cryptographers (x2)

- Advanced encryption specialists

Blockchain Engineers (x2)

- Secure DeFi & Enterprise Solutions

AI Specialists (x2)

Admin Staff

Financial Projections

YEARLY FINANCIAL DATA

Year	Revenue (\$M)	Expenses (\$M)	Profit (\$M)	Growth Rate
Year 1	2.5	4.1	-1.6	N/A
Year 2	8.0	6.5	1.5	220%
Year 3	20.0	15.0	5.0	150%
Year 4	50.0	35.0	15.0	150%
Year 5	100.0	65.0	35.0	100%

Funding Allocation

Sales & Marketing

- Branding
- Outreach
- Partnerships

Legal, Compliance, Infrastructure Expansion

- Legal
- Compliance
- Infrastructure Expansion

R&D

- Quantum Cryptography
- AI

Talent & Operations



Seed Funding Amount

SEEKING \$10M IN SEED
FUNDING



Why Invest in QST?

Market-Ready Post-Quantum Solutions

- Addressing imminent cybersecurity threats

Strong Revenue Potential

- SaaS, Licensing, Consulting, APIs

Cutting-Edge Technology

- Quantum-resistant encryption
- AI-enhanced fraud detection

Experienced Team

- Industry veterans in cybersecurity, AI, and blockchain

Massive Market Opportunity

- Multi-trillion-dollar security and fintech sector





Contact & Next Steps

Get in Touch

- Contact Joel Van Dyk

Investment & Partnership Opportunities

- Available for collaboration

Join Us

- Securing the future of digital finance