Below is a **founder-written, investor-ready pitch deck narrative** for **NeuralBridge**, structured as **14 pages/slides**, with **long, detailed explanations** per slide. This is written in the *voice of the founder* and suitable for VC partners, IC memos, or conversion directly into slides.

NeuralBridge Technologies Inc.
Eliminating Legacy Code at Enterprise Scale

Slide 1 – Company Overview
NeuralBridge Technologies Inc. is an enterprise AI company focused on one of the most expensive and painful problems in modern software: **legacy code maintenance and modernization**.
Founded in **2024** and headquartered in **San Francisco**, NeuralBridge is building the **default operating system for software maintenance** inside large enterprises. Our flagship product, **RefactorOS**, autonomously modernizes legacy codebases—preserving business logic while transforming decades-old systems into secure, scalable, cloud-native architectures.
We are currently a **Seed-stage**, incorporated company with operations in **San Francisco and New York**, serving early enterprise customers across financial services and regulated industries.
Our long-term vision is bold but clear:
eliminate technical debt for the Fortune 500.
Logo url: https://i.ytimg.com/vi/dzRM5npqh54/maxresdefault.jpg
Website: https://www.neuralbridge.ai/

Slide 2 – The Problem
Enterprises spend **over $500 billion annually** maintaining and patching legacy codebases written in outdated languages such as **COBOL, Java 6/7, and early C++**.
These systems:

- Power **core banking, insurance, telecom, and government infrastructure**
- Are **mission-critical**, yet poorly documented
- Are understood by a **shrinking workforce of aging developers**
- Are fragile, insecure, and costly to change

Key pain points:

- **Maintenance paralysis**: Even small feature changes take months
- **Security risk**: Legacy systems are the largest unpatched attack surface
- **Talent scarcity**: New engineers cannot read or reason about old systems
- **Cloud migration blockers**: Legacy code prevents modernization initiatives

Despite massive budgets, enterprises are trapped. Manual rewrites take **years**, fail frequently, and risk catastrophic business outages.
This is not a tooling problem.
This is a **systems intelligence problem**.

Slide 3 – Why This Problem Is Getting Worse
The legacy code crisis is accelerating due to three macro trends:

1. **Aging Infrastructure**
    - 70% of Fortune 500 core systems are over 20 years old
    - COBOL alone still runs ~$3 trillion in daily transactions
2. **Regulatory & Security Pressure**
    - Banking, healthcare, and government face increasing compliance mandates
    - Legacy systems cannot meet modern security standards without major rewrites
3. **Cloud & AI Transformation**
    - Enterprises want cloud-native, API-driven architectures
    - Legacy code is incompatible with modern DevOps and AI workflows

Traditional approaches—consulting firms, offshore teams, manual rewrites—are **slow, error-prone, and unscalable**.
The industry needs **automation, not more humans**.

Slide 4 – Our Solution: NeuralBridge

NeuralBridge is an **enterprise-grade AI refactoring engine** that autonomously modernizes legacy codebases at scale.

At the core is **RefactorOS**, a context-aware AI system that:

- Ingests **entire repositories**, not just files
- Builds a **dependency graph and semantic understanding**
- Preserves **business logic and edge cases**
- Outputs **modern, readable, secure code** in target languages

Unlike copilots or autocomplete tools, NeuralBridge:

- Understands **system-level architecture**
- Refactors **across files, services, and layers**
- Produces production-ready, testable output

We are not helping developers write code faster.

We are **removing entire classes of legacy work**.

Slide 5 – Product: RefactorOS

RefactorOS is a live, production-ready platform used by enterprise teams.

Core Capabilities:

- **Full Repository Ingestion**: Analyzes millions of lines of code
- **Dependency & Control Flow Mapping**
- **Autonomous Refactoring Pipelines**
- **Security & Compliance-Aware Transformations**
- **Human-in-the-Loop Review Mode**

Primary Use Cases:

- Mainframe and COBOL migration
- Java 7 → Java 11 / Kotlin
- Monolith → Cloud-native microservices
- Automated security patching

Target Users:

- CTOs
- DevOps Managers
- Enterprise Architects

RefactorOS integrates into existing CI/CD pipelines and supports enterprise security, audit logging, and access controls.

Slide 6 – Technology & IP

NeuralBridge is built on a **deeply technical moat**.

Stack:

- **Python & Rust** for performance-critical components
- **PyTorch** for model training and inference
- **Custom fine-tuned Llama-3 models**
- Internal static + dynamic code analysis engines

What Makes Us Different:

- **Context-aware LLM orchestration**, not single-prompt generation
- Proprietary training data from real-world enterprise codebases
- Multi-stage reasoning loops that validate logic consistency
- Deterministic refactoring outputs (critical for regulated industries)

IP Position:

- Proprietary datasets
- Internal tooling and model pipelines
- Accumulating high-value enterprise code intelligence over time

Over time, NeuralBridge becomes smarter with every codebase processed.

Slide 7 – Market Opportunity

NeuralBridge operates at the intersection of:

- **Enterprise Software**
- **AI Infrastructure**
- **Technical Debt Remediation**

Market Size:

- $500B+ spent annually on legacy maintenance
- $100B+ on digital transformation and migration services
- Initial beachhead: **Fortune 500 financial services and regulated enterprises**

Customer Persona:

- CIO or CTO at a Fortune 500 bank
- Manages thousands of applications
- Budget owner for modernization initiatives
- Incentivized to reduce risk, cost, and delivery time

Our initial focus is the **US and Europe**, where legacy systems and compliance pressures are highest.

Slide 8 – Business Model

NeuralBridge follows a **sales-led, enterprise SaaS model**.

Revenue Streams:

1. Platform subscription (annual contracts)
2. Usage-based compute fees

Pricing:

- $50,000 implementation fee
- $0.10 per line of code processed
- Annual contracts

Why This Works:

- Pricing scales directly with customer value
- Large enterprises process **millions of lines of code**
- Strong expansion revenue within accounts

Unit Economics:

- Gross margin: ~75%
- Margins improve as models and infra scale
- Clear path to high-margin, durable SaaS business

Slide 9 – Traction & Validation

Despite being early, NeuralBridge has strong validation.

Current Metrics:

- 4 paying enterprise customers
- 150 total users
- 45 monthly active users
- ~$960K annualized revenue
- 15% month-over-month growth

Key Milestones:

- Completed pilot with a **Tier-1 US Bank**
- Accepted into **Y Combinator**
- Successfully refactored mission-critical systems without outages

Core KPIs:

- Lines of code processed
- Refactoring accuracy rate
- Time-to-production reduction

Early customers report **50–70% reduction in modernization timelines**.

Slide 10 – Go-To-Market Strategy

Our GTM is deliberately **focused and high-touch**.

Primary Channels:

- Outbound enterprise sales
- Strategic partnerships (cloud providers, system integrators)

Sales Motion:

- Sales-led
- Long enterprise cycles (6–9 months)
- High ACV contracts

Economics:

- CAC: ~$15,000
- LTV: ~$250,000+
- Strong ROI-driven sales narrative

Over time, we will introduce a **self-serve offering for mid-market and SMEs**, expanding the funnel without diluting enterprise focus.

Slide 11 – Competitive Landscape

Direct Competitors:

- Kite
- Tabnine

These tools focus on **developer productivity**, not system transformation.

Indirect Competitors:

- Accenture, Deloitte, Infosys
- Manual migration teams

Our Differentiation:

- We **re-architect entire systems**
- Autonomous, not advisory
- Software margins, not services margins
- Scales infinitely without hiring armies of developers

NeuralBridge replaces **years of consulting work with weeks of automation**.

Slide 12 – Team

Alex Mercer – Founder & CEO

- Ex-Google Brain, DeepMind
- PhD in Computer Science (Stanford)
- Deep expertise in large-scale AI systems
- First-hand experience with enterprise-scale technical debt

The founding team combines:

- World-class AI research
- Enterprise engineering experience
- Deep understanding of regulated industries

We are actively hiring senior ML and systems engineers.

Slide 13 – Financials & Roadmap

Current Financials:

- Burn: ~$60K/month
- Gross margin: 75%
- Net margin: -20% (investment phase)
- Runway: 18 months

Roadmap:

Short Term

- Close Seed round
- Hire 2 senior ML engineers

Mid Term

- Launch self-serve product
- Expand language support (Java 11+)

Long Term

- Become the default OS for software maintenance globally

Breakeven projected within **24 months**.

Slide 14 – Fundraise, Risks & Vision

Fundraise:

- Raising **$2.5M Seed**
- $12.5M valuation
- SAFE instrument
- Capital used for hiring and product acceleration

Key Risks:

- Model hallucinations on critical logic
- Long enterprise sales cycles

Mitigations:

- Human-in-the-loop workflows
- Incremental rollout strategies
- Deep enterprise partnerships

Our Vision:

NeuralBridge becomes the **system of record for understanding, maintaining, and evolving software** across the global economy.

We believe **technical debt is the largest unsolved problem in software**, and we are building the company to finally solve it.