

Elijah Silverman

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TECHNICAL SKILLS

- **Business & Strategy:** Business Development, Global Fixed Income Analysis, Portfolio Management, Client Relations, Market Research, Proposal Development.
- **Technical:** Angular, Node.js, Python, SQL, React, Vite, Firebase, JavaScript, TypeScript, AWS, REST API Design, Bloomberg Terminal (BBG).
- **Certificates:** PADI Open Water Diver, Red Cross Advanced First Aid, Black Belt in Shotokan Karate.

PROFESSIONAL EXPERIENCE

Lazard Asset Management | New York, NY *Portfolio Analyst – Global Fixed Income* | June 2024 – Present

- Manage and analyze global bond portfolios, specializing in sovereign and supranational debt across multiple jurisdictions.
- Collaborate with Portfolio Managers to execute investment strategies, utilizing proprietary financial models to identify market opportunities and risks.
- Bridge the gap between technical infrastructure and investment teams, ensuring data integrity and real-time visibility into global fixed income markets.

Full Stack Software Engineer | June 2022 – June 2024

- Engineered and scaled in-house applications critical to the daily operations of 200+ Analysts and Portfolio Managers.
- Led the full-stack rebuild of legacy financial tools using Angular and Node.js, improving system efficiency and user engagement.
- Developed reusable UI components and complex data visualization tools (AG Grids) to streamline global data funneling.
- Maintained security best practices and handled feature implementation for legacy C# and .NET codebases.

YYA Consulting & Management | Tel-Aviv, Israel *Business Strategy Consultant* | November 2020 – August 2021

- Partnered with a Big-4 global firm to develop client proposals and facilitate business development, resulting in increased follow-up contracts.
- Designed dynamic, high-impact deliverables for cross-functional teams of 7+ experts, improving client retention and re-signing rates.

- Managed the end-to-end onboarding and initial performance reviews for new hires, ensuring alignment with firm-wide strategic goals.

TECHNICAL PROJECTS

Real-time Trivia

- High-Performance Frontend Architecture: Leveraged React 19's `useOptimistic` and `startTransition` APIs to deliver instantaneous UI feedback, while engineering a robust game loop using Context API and custom hooks to synchronize complex multi-phase states across concurrent clients.
- Scalable Multiplayer Infrastructure: Architected a real-time backend using Firebase Cloud Functions and Firestore, implementing atomic distributed transactions to ensure data consistency and eliminate race conditions during synchronized score calculations.
- Advanced Validation & Resilience: Developed a typo-tolerant fuzzy search engine using Levenshtein Distance algorithms for flexible answer validation and integrated a sophisticated error-handling framework with exponential backoff to ensure session stability against network volatility.

EDUCATION

IDC Herzliya (Reichman University) | Tel-Aviv, Israel Bachelor of Arts (BA), Business Administration and Entrepreneurship

- GPA 4.0, Magna Cum Laude, Dean's List Distinction

Flatiron School | New York, NY Full Stack Web Development, Ruby on Rails and JavaScript/React Program