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Summary

Software Engineer with 4+ years building robust, type-safe financial systems using TypeScript, GraphQL, PostgreSQL, and modern web technologies. Strong advocate for first-principles thinking, exceptional code quality, and building complex platforms from the ground up. Proven experience in fintech, API-first architectures, and highly regulated environments with focus on maintainability and toil reduction.

Experience

SellWizr — **June 2025 – Present**
Software Engineer Intern — *New York, NY*

- Built enterprise CRM platform using TypeScript and Golang with type-safe APIs and comprehensive testing, implementing first-principles design patterns that reduced system complexity by 40% through rigorous code quality standards.
- Developed complex workflow automation systems with strongly-typed interfaces, achieving 60% performance improvement through principled software architecture and maintainable code that punches above its weight in toil reduction.
- Implemented comprehensive testing strategies with 98% coverage using TypeScript, demonstrating commitment to exceptional code quality and building robust systems that scale without breaking things in production environments.

Site Service Software — **Aug 2024 – Apr 2025**
Full-Stack Software Engineer Intern — *San Francisco, USA*

- Architected migration to modern TypeScript/PostgreSQL stack from legacy systems, achieving 40% performance improvement through principled database design and type-safe API development with comprehensive error handling.
- Developed 20+ strongly-typed GraphQL APIs with TypeScript and Node.js, optimizing database queries and reducing response times by 30% through first-principles optimization and maintainable code architecture.
- Led end-to-end feature delivery with type-safe implementations, collaborating on technical decisions through vigorous discussion and defending architectural choices that improved system reliability and reduced operational toil.

meetX — **Nov 2023 – July 2024**
Frontend Developer Intern — *San Francisco, USA*

- Built type-safe React components with TypeScript and comprehensive testing, implementing first-principles UI design patterns that improved user engagement by 35% through exceptional code quality and maintainable architecture.
- Developed real-time interfaces using Next.js with strongly-typed APIs, integrating payment systems and authentication while maintaining rigorous code standards and pushing TypeScript to its limits for type safety.
- Implemented robust user authentication and payment processing systems, shipping high-quality features with comprehensive error handling and type safety that eliminated entire classes of runtime errors.

Glitter Fund — **Jan 2023 – Dec 2023**
Backend Developer Intern — *San Francisco, USA*

- Led backend development for financial platform using TypeScript, PostgreSQL, and type-safe APIs, maintaining 99.9% uptime in regulated fintech environment through principled system design and comprehensive testing.
- Engineered real-time data processing systems with strong typing and AWS deployment, optimizing latency by 30% through first-principles performance optimization and maintainable code that reduces operational overhead.
- Implemented advanced database optimization with PostgreSQL and type-safe query patterns, improving response times by 45% through principled architecture that prioritizes maintainability and exceptional code quality.

Technical Projects

Dex Pay - Type-Safe Fintech Platform — Link to GitHub

- Built comprehensive payment processing platform using Next.js, TypeScript, and PostgreSQL with complete UPI system simulation, implementing type-safe financial APIs and robust error handling for complex fintech operations.
- Developed from first principles with strongly-typed interfaces, comprehensive testing, and principled architecture that demonstrates ability to build complex financial systems with exceptional code quality and maintainability.

ConnectX - Real-Time Platform with Strong Typing — Link to GitHub

- Architected sophisticated real-time messaging platform using Next.js, TypeScript, Socket.IO, and PostgreSQL with Prisma ORM, implementing type-safe real-time communication and comprehensive authentication systems.
- Built with first-principles design patterns, strong typing throughout the stack, and rigorous testing that showcases ability to create complex, maintainable systems with exceptional code quality and robust error handling.

API Gateway - Enterprise Infrastructure — Link to GitHub

- Developed production-grade API Gateway using Node.js, TypeScript, Redis, and Caddy with advanced rate limiting and load balancing, achieving 99.5% availability through principled system design and comprehensive monitoring.
- Implemented type-safe middleware architecture with OAuth 2.0 authentication and intelligent caching, demonstrating ability to build robust infrastructure that punches above its weight in performance and maintainability.

SerialPM - Type-Safe Project Management — Link to GitHub

- Built comprehensive project management platform using React, TypeScript, Node.js, and MySQL with real-time collaboration and GitHub integration, implementing strongly-typed APIs and comprehensive testing coverage.
- Developed with first-principles approach to visual project management, demonstrating ability to create complex, maintainable systems with exceptional code quality and type safety throughout the entire stack.

Technical Skills

Strong Typing & Languages: TypeScript, JavaScript, Python, Golang, Rust, C, C++, Strong Type Systems, Type Safety
Frontend & APIs: React, Next.js, GraphQL, RESTful APIs, Web Components, Type-Safe UI Development
Backend & Database: Node.js, NestJS, PostgreSQL, Prisma ORM, Type-Safe Database Queries, API-First Design
Infrastructure & Tools: AWS, Docker, Git, Comprehensive Testing, First-Principles Design, Maintainable Code

Education

San Francisco State University — **Expected Fall 2025**
Bachelor of Science in Computer Science — GPA: 3.95/4.0 — Phi Beta Kappa Honor Society — *San Francisco, California*
Relevant Coursework: Data Structures & Algorithms, Database Systems, Software Engineering, Programming Languages, Type Systems