

# ALEXANDER SILVER

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New York City

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## OVERVIEW

Creative software engineer with a background in digital arts, blending design intuition with technical skill to craft intuitive, performant user experiences. Experienced in building responsive UIs, optimizing user flows, and collaborating across teams. Board member at Hack Manhattan since 2025, supporting access to technology and art.

## EXPERIENCE

**Peer Supply Inc**, Nashville, TN

04/2024 - 11/2024

*Full Stack Web Engineer (remote position)*

- Engineered a custom Elasticsearch-powered search engine for healthcare products, improving result relevance by 85%
- Optimized database query performance resulting in 98% speed improvements for critical user workflows
- Developed and maintained automated ETL pipelines using Airflow for daily data imports from multiple sources
- Created a comprehensive Dockerized development environment enabling consistent onboarding for new developers
- Implemented test coverage across critical application components

**Bundlefi Inc**, New York, NY

2/2022 – 9/2023

*Full Stack Web Engineer*

- Refactored MySQL stored procedures used in authentication flow, reducing login times and improving UX
- Led migration from legacy platform to a modern stack using Vue, Node.js, GraphQL, Apollo Client, and PostgreSQL
- Redesigned search algorithms for connecting users to community banks
- Collaborated regularly with UI/UX design team to iterate on platform components based on user feedback and analytics

**Unshut**, New York, NY

12/2021 – 5/2023

*Lead Front End Developer (part time position)*

- Architected and developed interactive web experiences using React and JavaScript as the sole frontend developer
- Built a dynamic company homepage with time-based design transitions
- Collaborated cross-functionally to define and enhance user flows, driving cohesive and intuitive user experiences
- Developed VR experiences in Unity incorporating voice commands and gaze control, pioneering new interaction models

**Logie**, Union City, NJ

4/2021 – 10/2021

*Full Stack Web Engineer*

- Defined and refined database schema in tandem with REST API validation to uphold robust data integrity
- Engineered a custom product recommendation algorithm using AWS PAAP
- Integrated AWS SES for transactional emails, achieving 99.8% delivery rate and improving user communication
- Developed reusable React components and advised on UX improvements.

**Primal RC**, Valley Cottage, NY

2/2022 - 10/2022

*Shipping Specialist*

- Managed daily shipping operations and created marketing materials including stickers, posters, images, and videos.
- Enhanced product listings across sales platforms and improved database integrity using TSQL.

## EDUCATION

**Flatiron School**, New York, NY | Full Stack Web Development, Ruby on Rails and Javascript program.

June 2020

- Specialized in Ruby on Rails and Javascript, following principles like DRY and MVC.
- Created a full-stack application in 3 weeks that allows users to create and save art using their face via facial recognition.

**Purchase College, State University of NY**, Purchase, NY | B.A. in New Media (Computer Science and Art) GPA: 3.4 May 2019

- Created works of art with code and various content creation software.
- Curated an art exhibit with kinetic sculptures.

## TECHNICAL SKILLS

**Languages:** Javascript, Typescript, Python, Ruby, Java

**Frontend:** Vue, Apollo Client, React, Next.js, Redux Toolkit, Material UI, HTML/CSS, AGGrid, TanStack,

**Backend:** Node.js, Express, NestJS, Fastify, Ruby on Rails, Prisma, GraphQL

**Databases:** Postgres, SQL, MYSQL, TSQL

**DevOps & Tools:** Docker, AWS, GCS, Airflow, Git