

# GILAD A. SCHNEIDER

Jersey City, NJ – 201-566-7287 – schneider.gilad@gmail.com – [linkedin.com/in/gilad-schneider](https://www.linkedin.com/in/gilad-schneider)

## SUMMARY

---

Full Stack Engineer currently building a restaurant POS for a network spanning 30,000+ stores. Led a team of 3 to build an open-source EHR with 225+ forks and 180+ stars on GitHub. Wrote backend API endpoints with 2M+ calls/day. My name is on code other people depend on.

## WORK

---

**Lychee (NRS) – Full Stack Engineer** | Restaurant POS | Newark, NJ **April 2025 – Present**

- Building a React/TypeScript + Tauri restaurant point-of-sale system integrated with a bodega POS network spanning 30,000+ stores.
- Designed a Node.js/TypeScript microservice layer (Express, tRPC, Drizzle ORM, Postgres) for order and table management, including dining sessions, reservations, and waitlist workflows.
- Implemented hybrid cloud/offline architecture with local spool file sync, Android WebView bridge integration, and data compression for resource-constrained POS terminals.

**Catullus – Founder** | Custom Web Apps | Jersey City, NJ **July 2025 – Present**

- Built a lead-generation site for a local business that drove 15+ inbound leads.
- Built a custom SAT question bank with tagging, search, and commenting, replacing ad-hoc tools and enabling the client to run their tutoring business end-to-end.

**MassLight – Full Stack Engineer** | Open-Source EHR | Washington, DC **July 2023 – March 2025**

- Led a team of 3 to develop an open-source Electronic Health Record system, shipping 16 releases and growing adoption to 225+ forks and 180+ stars on Github.
- Built React + TypeScript frontend and AWS Lambda backend implementing HL7 FHIR-compliant healthcare data exchange for a high-traffic service handling 2M+ daily API requests.

## RESEARCH & PROJECTS

---

**Catullus Money** **December 2025 – Present**

- Building a cross-platform personal finance app (Expo/React Native, tRPC, Drizzle ORM, Postgres) targeting iOS, Android, and web, with Plaid integration for multi-institution account linking, automatic transaction sync, and net worth tracking.
- Implemented custom SVG charting with smooth path interpolation and data downsampling, real-time webhook subscriptions via WebSocket, and cursor-based incremental sync for efficient transaction updates.

**4n6 Research Lab, Rutgers University** **May 2021 – May 2022**

- Wrote code and copy for an IEEE DASC (2022) paper on memory-efficient neural network weight storage, achieving 60× memory usage reduction.
- Wrote Transformers and Convolutional Neural Networks from scratch to support experimentation and for publication.

## EDUCATION

---

**Rutgers University** **May 2023**

Double Bachelor's in Computer Science and Mathematics

- Summa Cum Laude, GPA: 3.97, Dean's list every semester
- **Coursework:** Algorithms, Machine Learning, Linear Algebra, Numerical Analysis, Probability, Statistics, Graph Theory, Optimization, Real Analysis

## SKILLS

---

**Languages:** TypeScript, Python, C, SQL, Java

**Frontend:** React, Next.js, Tailwind, Cypress, Tanstack Query

**Backend & Infra:** Node.js, Express, tRPC, Drizzle ORM, Postgres, Redis, AWS (Lambda, Kinesis, S3), Cloudflare (Workers, D1), Docker

**ML & Math:** PyTorch, CNNs, Transformers, Model Compression, Convex Optimization, Numerical Methods