

Samuel Shulman

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EXPERIENCE

Enterprise Architect

Healthfirst, New York, NY | Sep 2025 – Present

- Spearheaded architectural design for critical interoperability projects ensuring federal compliance and scalability.
- Designed and presented Cost Estimator redesign PoC to Architecture Review Board, resolving critical N+1 API query issue.
- Engineered event-driven serverless pipeline using AWS Step Functions for provider data retrieval, boosting performance by 80%.
- Support team in processing Machine-Readable Files (MRFs) ranging 100 GB to 1 TB for federal compliance initiatives.
- Contributing to early-stage design of Patient-to-Provider API using FHIR standard for healthcare data exchange. (Pursuing HL7 FHIR Certification)

Part-Time Full Stack Developer

AppHammer, Remote | Jan 2025 – Aug 2025

- Developed backend APIs and managed data models using Django and Wagtail for a virtual vendor platform enabling remote product inquiries, effectively replacing traditional vendor fairs.
- Implemented an asynchronous email notification feature using AWS SES integrated with Django Tasks, streamlining communication between vendors and prospective clients.
- Engineered administrative dashboards for a security company's internal operations using React, TypeScript, and Refine, utilizing Antd UI components to enhance user management and permission workflows.

Software Engineer Intern

Cognizant, Teaneck, NJ | Jun 2024 – Aug 2024

- Partnered with a team to develop comprehensive Power BI reports from petabytes of healthcare data, enabling insurance companies to enhance population health and boost revenue.
- Improved Power BI report visualization loading time through SQL query optimization, significantly boosting user experience and report efficiency.

SKILLS

Programming: Java, Python, SQL, Postgres, TypeScript, JavaScript, Node.js, HTML, CSS

Cloud & Tools: AWS, Git, React, NextJS, Django, FastAPI, Docker, Vue.js, GitHub, JUnit, Jira

Architecture & Domain: FHIR, Healthcare Interoperability, Distributed Systems, Microservices, Algorithms, Big Data (1TB+)

EDUCATION

Yeshiva University, Yeshiva College

Bachelor of Science in Computer Science, Distributed Systems Track | New York, NY | Graduation: May 2025

Relevant Coursework: Distributed Systems, Parallel Programming, Algorithms, Operating Systems, Networking, Compilers

PROJECTS

Automated Course Registration System ("ImIn")

Jan 2023 – June 2023

- Developed a registration system that automated class enrollment in less than one second when slots opened.
- Achieved 2,256 page views and 946 unique page views in 30 days, serving roughly fifty percent of the student body.