

Daniel Hamam

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SKILLS

Frontend: JavaScript · React · TypeScript · HTML/CSS · Next.js · Tailwind · Angular · Vue.js · Flutter

Backend: Spring Boot · Java · SQL · PostgreSQL · AWS · Express.js · Flask · Firebase · DynamoDB · Supabase

Tools, Libraries: Git · Docker · Kubernetes · Jenkins · Kafka · Redis · Datadog · Figma · BlazeMeter · Salesforce

EXPERIENCE

Scholastic

January 2022 - Present

TECHNICAL LEAD / SOFTWARE ENGINEER · FULL TIME

📍 Manhattan, New York

- Acted as the technical lead for the Assessments team, delivering educational activities used by teachers nationwide to evaluate 200+ classrooms against district standards.
- Engineered an **AI-driven** recommendation engine powered by **AWS Neptune** and **Bedrock** to dynamically map educational standards and skills to 1000+ Scholastic content pieces, streamlining the alignment process.
- Implemented **Spring Boot** microservices with **PostgreSQL** to power teacher and admin dashboards, earning recognition as the 2023 CODiE Award winner for Best Administrative Solution in Education Technology.
- Designed a real-time data pipeline using **AWS Kinesis**, **Lambda**, **S3**, and **Apache Flink**, ensuring data flow from student products to our data warehouse with latency below one second.
- Led the development of the Student Grouping Tool microservice using **Spring Boot**, creating an advanced algorithm to intelligently group students within the platform based on interests, skills, and reading scores.
- Integrated a cloud-based voice solution using **Salesforce APIs** and **AI-powered** speech recognition to automate data capture for Book Fair Consultants, supporting Scholastic's largest business unit.

Ultra Pain Products

July 2024 - January 2025

LEAD SOFTWARE ENGINEER · CONTRACT

📍 Remote

- Deployed a full-stack healthcare order portal using **Next.js**, **Supabase**, and **Vercel**, featuring dynamic pricing, real-time tracking, and dual-role access (customer + admin) for managing orders, products, and pricing workflows.
- Engineered automated email workflows using **Supabase** email templates and third-party email APIs for order confirmations, status updates, and admin notifications, eliminating manual follow-ups and improving response times.
- Managed a **Kanban agile** workflow with structured sprint planning and stakeholder communication, facilitating weekly sprint reviews and UI/UX coordination for timely delivery.

Paragon Data Labs

July 2021 - January 2022

SOFTWARE ENGINEER · FULL TIME

📍 Remote

- Partnered directly with the CTO to build **Spring Boot** services for Compliance Administration and Tracking (CAT), a **React** application that streamlined employee compliance for over 10 major financial firms.
- Engineered optimized **SQL** scripts and implemented **Redis** caching, driving better performance of over 200%.
- Built an internal admin dashboard and reusable infrastructure that reduced client onboarding from months to days, enabling rapid scaling that led to our acquisition by Intapp in early 2022.

City of Yonkers

May 2018 - August 2018

SOFTWARE ENGINEER · INTERNSHIP

📍 Yonkers, New York

- Managed **MySQL** databases for secure online payments supporting city services and utilities.
- Completed a **Java** migration project, updating legacy applications to the latest Java version.
- Developed a digital document system to convert paper records to electronic format, streamlining city operations.

EDUCATION

Stony Brook University · B.S. Computer Science · Honors College Diploma

August 2017 - May 2021