Mark Satin

Full-Stack Software Engineer

New York, NY

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Technical Skills

Frontend: HTML, CSS, JavaScript, TypeScript, React, Next.js, Tailwind, Cypress, DevTools, VSCode
Backend: Java, Spring Boot, Node.js, Express, Python, PostgreSQL, Neo4j, JUnit, Postman, Swagger
Ecosystem: Figma, Photoshop, Spring Cloud, Docker, Kubernetes, AWS (RDS, S3, EC2), Vercel, GitHub

Professional Experience

Software Engineer 2023 - Present
Infosys, *New York, NY*

- Horizontally scale a consumer banking API by rebuilding its on-prem monolithic architecture into Dockerized cloud-based microservices permitting 10x more users to access the system at once.
- Increase application resiliency by integrating Kafka's pub-sub communication model and issuing round-the-clock health checks with Kubernetes allowing for automatic hot-swapping of broken service instances and 60% less downtime for end users.
- Customize 50+ UI components in Figma and build type-safe counterparts with React and Tailwind to assist the frontend team in maintaining QA standards and meeting feature rollout deadlines while understaffed.

Software Engineer 2022 - 2023
Revature, *Remote*

- Led a cross-functional five-person team to develop an EdTech SPA with Next.js, Spring Boot, and PostgreSQL that facilitates professional connections among art school students resulting in a projected 20% semester-over-semester increase in collaboration on assignments.
- Abstracted repetitive data-fetching logic in social media and banking applications into reusable utility functions and moved their execution outside of client boundaries thereby reducing the number of backend requests by 1/2 and decreasing TTI by 1.5 seconds per page.
- Wrote 100+ unit tests for three full-stack applications with JUnit and React Testing Library, and ensured data flowed quickly and correctly across all API endpoints with Postman culminating in a 25% increase in successful version deployments.

Education

BFA Film & TV Production - New York University, Tisch School of the Arts 2012 *(self-financed)*