

# Karim Nekzad

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## Experience

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**Software Engineer**, Consumer Reports – New York, NY Mar 2022 – Present

- Implemented scalable microservices and APIs using Spring Boot to promote high-value affiliate offers from multiple vendors, leading to a 14% growth in commission revenue.
- Developed real-time data streaming ETL pipelines in Python using Spark and Snowflake to aggregate performance metrics for affiliate programs and site content. Automated actionable Tableau reports resulting in 36% more content for the strongest performing product categories.
- Developed a web service using Angular, Spring Boot, and a custom LLM based on ChatGPT to generate product reviews, saving the content team 720 hours annually. Implemented a caching layer by designing database models in Oracle SQL and MongoDB to reduce OpenAI token usage and cost by 51%.
- Guaranteed 99.98% uptime for mission-critical applications by deploying to production using Jenkins, Kafka Streams, and Kubernetes. Load tested applications using JMeter to identify and address bottlenecks, reducing response time by 8% under peak loads.
- Wrote automated API test scripts in Python using Pytest for high traffic endpoints reducing production bugs by 12%.

**Software Engineer**, Whop – New York, NY Dec 2021 – Feb 2022

- As one of the first front-end engineers, built scalable and reusable React.js components from Figma designs, laying the foundation for future UI development.
- Implemented high availability API services using server-side rendering with Next.js, optimizing data fetching, reducing latency by 12%, and enhancing scalability for thousands of users.

**Software Engineer Intern**, Consumer Reports – New York, NY June 2021 – Aug 2021

- Refactored data access layer for internal tools using Angular to orchestrate parallel API calls with a caching layer to reduce server load and cut page load times from 8 seconds to 1 second, increasing the number of products processed daily by 12%.
- Migrated data management application from AngularJS to Angular and upgraded dependencies to the latest stable versions, modernizing the UX and cutting feature delivery time by 33%.
- Developed reusable frontend components and portable API services using Angular, resulting in a 30% faster onboarding process for new users and a consistent user experience across various operating systems and browsers.

## Skills

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**Programming Languages:** Java, Python, JavaScript, TypeScript, HTML, CSS

**Frameworks & Libraries:** Spring Boot, PySpark, Angular, React.js, Next.js, Bootstrap, Pytest

**Databases:** Oracle SQL, PostgreSQL, MongoDB, Snowflake, Delta Lake

**Other:** AWS (S3, EC2), Databricks, Kubernetes, Docker, HashiCorp (Vault), NoSQL, Kafka, Gradle, Tableau, ETL, Git

## Education

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**Brooklyn College** – Bachelor of Science in Computer Science

Dec 2021