

# Nikki Nagar

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## Experience

### Morgan Stanley

New York, NY

VICE PRESIDENT - SOFTWARE ENGINEER, TECH LEAD

January 2022 – Present

ASSOCIATE - SOFTWARE ENGINEER

September 2018 – December 2021

- Led two teams of 5-7 developers and guided them on technical design and best practices
- Implemented features for a corporate lending operations application Java 11/Spring Boot for microservices and React/TypeScript
- Established automation of loan transaction processing through vendor APIs, resulting in a 30% decrease in manual intervention
- Developed distributed messaging services responsible for handling consumption and production of complex structured messages
- Built modularized, reusable components in React/Typescript using high-charts and ag-grid libraries
- Designed document management system to support documents from external REST Services, Message Queues, and user upload
- Partnered with stakeholders, project managers, UX, and QA in a cross-functional Agile squad to deliver high-quality features
- Drove effort to refactor legacy services with Spring Boot and unit tests using JUnit/Mockito & end-to-end tests using Cucumber/Selenium
- Automated 25+ manual test scenarios to reduce testing overhead by 70%

### UnitedHealth Group

Basking Ridge, NJ

SOFTWARE ENGINEER

June 2016 – September 2018

- Developed a patent-pending static code analysis tool built with Java, Hadoop MapReduce, and Elasticsearch
- Mentored a team of 5 interns in effort to commercialize and streamline the product using Docker and Jenkins
- Created MapReduce jobs to ingest and process data and store relationships in a file-based graph model
- Enhanced and extended legacy services for a release management tool using Spring MVC Framework
- Modernized REST services from Java/Spring Framework to Java/Spring Boot with a shift from SQL to NoSQL (MongoDB) queries
- Configured OpenShift Enterprise 3 environment to expose Spring Boot API services for mobile application

APPLICATION DEVELOPMENT INTERN

June 2015 – August 2015

- Developed a search-engine for mock user data including consumer, claim, and financial info using Apache Maven, Spring MVC, and existing SOAP/REST web services
- Modified queries in MarkLogic (NoSQL) database to receive test environment members using Jackson library
- Collaborated with QA and Consumer Database teams to establish project specifications and requirements

## Skills

**Programming:** Java (primary), SQL (intermediate), TypeScript/JavaScript (intermediate), Bash (familiar), Python (familiar), C (prior)

**Software:** IntelliJ, Webstorm, Visual Studio Code, Eclipse, MySQL

**Technologies:** Git, Jenkins, Spring Boot, REST, Hibernate, React.js, JUnit, Mockito, jest, Cucumber, Selenium, MongoDB, Elasticsearch, Gradle, Apache Maven, Docker

**Platforms:** Microsoft Azure (Fundamentals Certification), OpenShift Enterprise, Heroku, Amazon Web Services

## Projects

### Women in Technology @ Morgan Stanley

January 2020 - Present

NEW INITIATIVES CO-LEAD, REWRITING THE CODE LIAISON

Proposed and presented initiatives to management and HR

### Mattermost Open Source

December 2020

CONTRIBUTOR

Migrated React components and associated tests from JavaScript to TypeScript

### Optum Mentors @ UHG

September 2017 - September 2018

MENTOR

Mentored students from local communities on the basics of programming & the importance of technology in any industry

### Women in Computer Science @ Rutgers University

September 2014 - May 2016

GENERAL MEMBER, SECRETARY, EVENT COORDINATOR CO-LEAD FOR HACKERS HACKATHON

Organized, budgeted, and scheduled 8 events including company tech-talks and student workshops for Hackers Hackathon

## Education

### Rutgers University

New Brunswick, NJ

B.S. COMPUTER SCIENCE GPA: 3.54/4.0

May 2016