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 using Java 11/Spring Boot and React/TypeScript
- Established automation of loan transaction processing through vendor APIs, resulting in a 30% decrease in manual intervention
- Designed 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
- Developed 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%
- Strengthened teams by conducting interviews for Full Stack engineering roles

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
- 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, Eclipse, MySQL
Technologies:	Git, Jenkins, Hibernate, React, JUnit, Mockito, jest, Cucumber, Selenium, MongoDB, ElasticSearch, Gradle, Apache Maven, Docker
Platforms:	Microsoft Azure (Fundamentals Certification), OpenShift Enterprise, Heroku, Amazon Web Services

Activities

Women in Technology @ Morgan Stanley
January 2020 - Present

NEW INITIATIVES CO-LEAD

Proposed and presented initiatives to management and HR. Participated in Rewriting The Code, WiTNY, and Girls Who Code events.

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 minority 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 HACKHERS HACKATHON

Organized Budgeted & scheduled 8 events including company tech-talks and student workshops for Hackhers Hackathon

Education

Rutgers University
New Brunswick, NJ

B.S. COMPUTER SCIENCE, GPA: 3.54/4.0
May 2016