

# Hiral Rajesh Nagda

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## EDUCATION

<b>Northeastern University</b>		Boston, MA, USA
Master of Science in Computer Software Engineering,	Grade: 3.72/4.0	Aug 2021 – Aug 2023
<b>University of Mumbai</b>		Mumbai, IN
Bachelor of Engineering in Information Technology,	Grade: 8.90/10	Aug 2016 – Oct 2020

## EXPERIENCE

<b>Intralinks Inc</b>	Waltham, MA, USA
<b>Software Engineer Coop</b>	June 2022 – Dec 2022

- Redesigned the Feature Toggle service by implementing 9 RESTful APIs using Node.js to perform CRUD operations on features and user tables in MongoDB with error handling also configured Nginx as a reverse-proxy
- Created a dashboard using React.js & Tailwind CSS leveraging all back-end services reducing debugging time by 50%
- Implemented single sign-on functionality using JWT for session management enhancing service security by 90%
- Built web-services to integrate feature-SDK updates to reflect in real-time improving service reliability by 85%
- Introduced activity logging using Splunk, email alerting to SRE in cases of failure
- Managed CI/CD pipelines with Jenkins to develop, test, and deliver Docker containers with confidence on K8 pods
- Reinforced test-driven development system by writing unit and workflow tests with 80% code coverage using Jest

## PROJECTS

<b>Health Info Store</b>	Jan 2023 – April 2023
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- Node.js app built on Express.js serving CRUD endpoints to manage insurance plan big data store and search.
- Healthcare/insurance data used in JSON key-value pairs within Redis database.
- Querying nested objects achieved through Elastic Search and updated via Rabbit Message Queue.
- Complex querying of data achieved using GraphQL to reduce bulk unwanted data transfer through REST API calls.

<b>Airline-Management-System</b>	June 2022 – Aug 2022
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- Stimulated Airline management SaaS by using Singleton and Factory for airline object creation, Builder various flight internal representations, Facade to hide complexities of saving/loading data, Strategy to implement different discounts on the booking, Decorator to apply various upgrade options, Adapter to view/convert booking cost in multiple currencies, State representing various states of the flight using Java.

<b>Cloud native web-app</b>	Jan 2022 – April 2022
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- Automated creation of AWS resources via AWS CloudFormation to host RESTful APIs written using Node.js
- Implemented CI/CD workflows for packer file validation and building AMIs with GitHub Actions
- Configured Auto-scaling groups and designed Security Groups to control traffic for resources like EC2, RDS
- Designed routing policies to map HTTPS requests to ELB and IAM Roles to restrict access to resources like S3 bucket
- Integrated services like Dynamo DB, AWS RDS, AWS Lambda, Elastic Load Balancer, Cloud Watch, SNS, SES
- Managed hosted zones using Route53 and designed pipeline for faster delivery using AWS Code Deploy

<b>Better Reads - Track your reading habits</b>	March 2022 – May 2022
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- Built a full stack book tracking web application using Spring Boot and ReactJS with REST endpoints to search, save/track and rate books handling 7GB of data records in Cassandra instance hosted on Astra DB.
- Implemented a secure authentication and authorization system using OAuth via GitHub and Google.
- Integrated email feature to notify users, a reminder for their weekly reading target.
- Implemented Jest unit testing providing 80% of code coverage

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, HTML, CSS, JavaScript
- **Frameworks:** Spring Boot, Node.js, Express.js, React, MySQL, MongoDB, Cassandra, Redis, AWS, GitHub Actions, Git

## LEADERSHIP

<b>Northeastern University</b>	Jan 2023 – Present
<b>Graduate Teaching Assistant for Design Patterns</b>	

- Conducted office hours and lab sessions to assist students in learning various Design Patterns from GoF