

Hiral Rajesh Nagda

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EDUCATION

Northeastern University, Boston, MA, USA
Master of Science in Software Engineering Systems

Grade – 3.72/4.0
Sept 2021 - Aug 2023

University of Mumbai, Mumbai, India
Bachelor of Engineering in Information Technology

Grade – 8.90/10
Aug 2016 - Oct 2020

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, LINUX

Web Technologies: HTML5, CSS3, Bootstrap 4, Spring Boot, NodeJS, ReactJS, REST, Tailwind CSS

Database/Tools: MySQL, Cassandra, MongoDB, Redis, Git, Postman, AWS

WORK EXPERIENCE

Intralinks Inc, Waltham, MA, USA
Software Engineer Coop

June 2022 – Dec 2022

- Led the redesign and development of a core internal tool that enables teams to perform A/B testing which reduced production related issues by **40%**, added **3** new ways to perform A/B testing than the existing service
- Communicated with **11** different teams who use the service, collected requirements and delivered internal service using NodeJS, MongoDB and a simple UI using ReactJS enabling teams to use the service and deploy to over **90** Kubernetes clusters on EC2 instances
- Introduced activity logging using Splunk, alerting SRE via emails in failure cases reducing average incident response time by **30%**
- Managed CI/CD pipelines with Jenkins to develop, tests with **60%** code coverage using Jest, and deliver Docker containers with confidence on Kubernetes pods
- Organized all our team tech-wiki pages and wrote several pages to explain how our tool works, which improved our development experience metrics by **30%**

PROJECTS

Health Info Store

Apr 2023

- NodeJS app serving 7 CRUD endpoints to store/search JSON insurance plan data within the 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 redundant data transfer through expensive REST API calls

Cloud native web app

Apr 2022

- Automated creation of AWS resources via AWS CloudFormation to host 8 RESTful APIs written in NodeJS
- Pioneered 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
- Streamlined 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, SNS, SES and CloudWatch alarms across multiple AZs, achieving 99.99% uptime, horizontal scaling during peak traffic
- Managed hosted zones using Route53 and crafted pipeline for faster delivery using AWS Code Deploy

Better Reads - Full-Stack Application

Apr 2022

- Developed a full-stack book tracking web application using Spring Boot and ReactJS with REST endpoints to search, save/track, and rate books while handling 7GB of data records in a Cassandra instance hosted on Astra DB. Also enabled the authentication system using OAuth via GitHub

LEADERSHIP SKILLS

Graduate Teaching Assistant – Object Oriented Design and Design Patterns in Java

Jan 2023 – Aug 2023

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