

# MANOSHI NATH

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## EXPERIENCE

### Cognizant

Jan 2019 - Jul 2022

#### Full Stack Developer

- Utilized JAVA to develop website backend APIs that performed validation, processing, and saving of user web form input data in JSON and XML formats in a NoSQL AWS DynamoDB database, adhering to modern web architecture principles.
- Developed backend API in JAVA to save, validate, and submit data per client rules, utilizing REST protocols and ensuring data integrity with MySQL, enhancing business validation speed by 80%.
- Built and integrated a comprehensive authentication system with Spring Security using Spring framework, boosting platform security and reducing login-related support tickets by 25%.
- Implemented microservices architecture using Docker and Kubernetes to scale the application and integrated Jenkins for continuous deployment, which improved performance and resource management by 60%.
- Designed and deployed 10 Angular forms(reactive) Using Angular CLI, NgRx libraries and Node.js from scratch using HTML5, CSS3 and Bootstrap5, operated by 5 clients, 15000+ users over 15 regions and 2 countries.
- Managed the migration of Angular 12 from Angular 9 to a new cloud-based infrastructure, tracked sprint planning with JIRA, and reduced maintenance costs by 50%
- Enhanced code quality by integrating Jasmine, Karma, JUnit, and Mockito for unit testing by using metadata from GIT and AWS cloud, achieving over 90% of test coverage and reducing critical bugs by 50%.
- Collaborated in an Agile Environment with a team of 12 to create a web application platform to collect regulatory data, which enhanced supplier performance and reduced procurement cycle time by 30%.
- Enhanced client experience by reducing the error rate to less than 1 percent among 15000 submissions.

### Cognizant

Jan 2019 - May 2019

#### Intern

*Pune, India*

- Developed a web application with 95% guideline accuracy, creating front-end and back-end components, establishing end-to-end connectivity using API calls and Docker, and deploying on a firewall.
- Elevated application efficiency by 20% by integrating advanced exception handling and executing extensive testing procedures, leading to a 30% reduction in system crashes and enhancing overall system reliability and user trust.

## EDUCATION

### Master of Engineering, Carleton University, Ottawa, ON

Aug 2022 - Dec 2023

Relevant Coursework: Applied Programming, Neural Networks, Human Centric Interactions.

### Bachelor of Technology, LNCT University

Aug 2015 - May 2019

## SKILLS

#### Languages

Java, C, Python, Typescript, JavaScript, XML, HTML, CSS

#### Database

MySQL

#### Frameworks and Tools

GIT, MATLAB, Bootstrap, Spring Boot, Hibernate, REST API, Angular 8 ,  
Angular 12, React, Node.js, Docker, Postman, Git, AWS Cloud (EC2, S3), CI/CD Jenkins,  
VSTS, JIRA

## PROJECTS

**Covid 19 Chat Bot.** Individual project using artificial neural networks in PYTHON, Created application(responsive bot) based on NLP, Keras, tkinter, and JSON format libraries to train 3 layered neural network with 20,000 data using spyder development kit. (2023- Ottawa, ON)

**Blood Donation Application.** Led a team of 4 to implement REST APIs for blood bank tracking using Spring Boot, JPA, Angular, JWT, and SQL; boosted data reliability and reduced processing errors by 35%. (2021- India)