

# Nethra Mugala

nethra.af68@gmail.com | (937) 516 2193 | Sunnyvale, CA

<https://www.linkedin.com/in/nethra-65b58485/> | <https://nethraui.github.io/myportfolio.github.io/>

## EDUCATION

Wright State University - Fairborn, OH

2016 - 2018

**Master's:** Computer Engineering

G. Narayanamma Institute of Technology and Science, INDIA

2012 - 2016

**Bachelor's:** Electronics and Communication Engineering

## WORK HISTORY

**Software Developer | Bio-Rad Laboratories - Remote**

**October 2022 – April 2023 (Contract)**

- Developed serverless Lambda Functions in Java 8 and Python for AWS.
- Utilized AWS Sage Maker, Lambda Functions, SQS to process tar file image data from S3, run machine learning models, and store image data details in DynamoDB.
- Created secure Angular 4 front-end pages with S3 integration for image modification and storage.
- Managed existing codebase with Git and GitHub Actions for CICD.
- Collaborated with cross-functional teams for feature implementation and high code quality through debugging, unit testing, and integration testing.

**Software Developer | NextEra Energy - Miami, FL**

**May 2019 – September 2022 (Contract)**

- Designed and developed Serverless cloud applications with Node.js and React.js on AWS.
- Created CloudFormation templates for AWS resources such as S3 buckets, IAM policies, SES and SNS for notifications, CloudFront for content distribution, Cognito for user authentication, and CloudWatch for monitoring and logging.
- Delivered high-quality web applications using HTML, CSS, JavaScript, and React.js, resulting in a 25% increase in customer satisfaction.
- Built Java-based RESTful APIs with the Spring Boot framework for data communication between applications.
- Implemented APIGEE Proxies with OpenAPI specifications for secure API Gateway endpoints.
- Utilized JIRA for workflow visualization, issue tracking, change management, and release management, with Confluence pages for project and CI/CD information.
- Created Jenkins multibranch pipelines for builds and deployments and collaborated with Product Manager to deliver minimal viable products.

**Java Developer Intern | Tres Mercari Group, India**

**Jan 2015 – June 2016**

- Developed a company webpage using HTML, CSS, Bootstrap, and JavaScript, integrating jQuery and AJAX via JSON for data requests and updates
- Assisted with all stages of the Software Development Life Cycle, including quality assurance, integration testing, and process improvement best practices

## TECHNICAL SKILLS

**Web Technologies:** HTML5, CSS3, JavaScript, jQuery, React, RESTful Web services, Microservices, Spring Boot, Node.js.

**Programming Languages:** Java, Python.

**Cloud Services:** AWS S3, Lambda, API Gateway, Sage Maker, CloudFront, Cognito, SES, SNS, SQS, IAM, CloudWatch.

**Databases:** Oracle, IBM DB2, MySQL, MongoDB, DynamoDB.

**Version Controls:** Bitbucket, GitHub, SourceTree, Git, SVN, CVS.

**Applications/Tools:** APIGEE, IBM Rational Application Developer (RAD), Visual Studio Code, Eclipse, IntelliJ, WebSphere, IBM. Http server, Tomcat, Postman, SQL Developer, JIRA, Jenkins, UCD, Confluence.

## PROJECTS

**Covid19 Tracker** Built an application in Java using Spring Boot to check covid19 cases for current day by getting the CSV data from a third-party URL.

**Pokedex** A application developed using React which displays Pokémon and when clicked on it will show all the Pokémon details by getting the Data from third part API called pokeapi.

**Real time chat** Created a real time chat application using React, Express, Node.js and Socket.io for real time communication.