

Nethra Mugala

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

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

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

Senior Software Developer | Walmart – Sunnyvale, CA

April 2023 – Current (Contract)

- Worked with Kafka data streaming pipelines, to enable real-time data processing to downstream systems.
- Designed Elasticsearch queries, ensuring optimal performance of data retrieval. Lead Elasticsearch migration.
- Setup monitoring dashboards and alerts on Splunk, Kibana, and Grafana to ensure effective monitoring, troubleshooting, and optimization of applications.
- Production on-call support, addressing, and resolving critical issues promptly to maintain system availability and minimize downtime.

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.
- Utilized JIRA for workflow visualization, issue tracking, change management, and release management, with Confluence pages for project and CI/CD information. 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

Languages and Databases: Java, Python. Oracle, IBM DB2, MySQL, MongoDB, DynamoDB, Elasticsearch.

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

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, Kafka

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.