Nethra Mugala

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WORK HISTORY

Software Development Engineer | Walmart – Sunnyvale, CA   **April 2023 – Current**
- Enhanced Walmart tracking precision for International Markets by architecting and implementing carrier integrations in Java, resulting in a notable 5% drop-in tracking error rate. Leveraged Kafka for seamless data flow and communication.
- Led the creation of over 70% of alerts and implemented monitoring dashboards on Elasticsearch, Grafana, Splunk, and Dynatrace for effective system oversight, ensuring peak system performance and swift issue resolution.

Software Developer | Bio-Rad Laboratories - Remote   **October 2022 – March 2023**
- Developed serverless Lambda Functions in Java 8 and Python on AWS. Utilized AWS Sage Maker, SQS and S3 for image data processing and storage.
- Developed secure end-to-end UI tool using Angular 4 that helps Researchers to train ML models to perform certain actions on images.

Software Developer | NextEra Energy - Miami, FL   **May 2019 – September 2022**
- Transformed and optimized an on-premise application into a Serverless cloud solution on AWS, utilizing Node.js and React.js. Achieved a 23% reduction in load time for enhanced efficiency.
- Engineered Java-based RESTful APIs with Spring Boot, facilitating seamless data communication of utility metrics from the data lake to end-users.
- Designed and implemented Dynatrace dashboards for monitoring crucial KPIs such as user registration and application errors.
- Improved data retrieval and analysis by developing Elasticsearch queries. Collaborated on Kafka integration for log search, effectively optimizing log management.
- Implemented secure API Gateway endpoints with APIGEE Proxies, ensuring compliance with OpenAPI specifications and robust security measures.

Java Developer | 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, IAM, CloudWatch.
Alerting and Monitoring: Elasticsearch Kibana, Splunk, Grafana, Dynatrace, ServiceNow
Databases: Oracle, IBM DB2, MySQL, MongoDB, DynamoDB.
Version Controls and Message Queues: Bitbucket, GitHub, SourceTree, Git, SVN, CVS, Kafka, SQS
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, Docker, Kubernetes.

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

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.