NISITHA
ATHUKORALA

SENIOR SOFTWARE ENGINEER

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ABOUT ME

A highly organized and hardworking individual looking for a responsible position to achieve professional excellence in the Software engineering field by engaging in challenging, creative and diverse projects, while contributing to achieving the goals of a company that focuses on customer satisfaction and society wellbeing.

LINKS

LINKEDIN:
http://www.linkedin.com/in/nisitha-athukorala

PERSONAL DETAILS

Date of birth
20/04/1992

WORK EXPERIENCE

INTERN SOFTWARE ENGINEER
NCINGA TRACERFLOW SOLUTION | COLOMBO
SEP 2016 - JAN 2017

nCinga TracerFLOW Solution

nCinga TracerFLOW is a workflow solution which is digitalized the manual workflow of Manufacturing factories with enabling real-time analytics and reports.

Contribution:

- Designed, developed the plan reader library which is capable of reading any format of Excel files (Java - Apache POI)
- Workflow operations status tracking system - web front end application and backend (ionic, play framework, Akka actor system, Mongo DB, WebSockets)
- Dashboards - web front end application and backend (ionic, play framework, Akka actor system, Mongo DB, WebSockets)

nCinga costing tool

nCinga costing tool automates the process of planning, making, and calculating costs of purchasing orders.

Contribution:

- Designed, developed a cost sheet reading tool that is capable of reading PDF files (Java, itext)
- Designed, developed PDF diff tools (Angular, Java, itext)
- Worked on cost sheets management tool - web front end and backend (angular, play framework, MongoDB)
- Cost sheets history tracking tool - web front end and backend (Angular, play framework, MongoDB)

SOFTWARE ENGINEER
NCINGA | COLOMBO
FEB 2017 - DEC 2019

One APP (Manufacturing execution system)

One App is the nCinga's core product. It processes the real-time data from manufacturing
factories and enables real-time analytic insights through dashboards, reports, and web applications which is aligned with industry 4.0. It includes seral client application modules and lots of microservices that work together.

Contribution:

- Was a key contributor to the one-app framework in analyzing, designing, and developing.
- Analysis, Design, Development of several modules of the main application(ionic, lokijs, SQL lite)

- Contribute to Analysis, Design, Development, and Integration of the core data streaming engine (nCinga spark stream engine) which facilitates real-time data processing that enables real-time analytics visibility across dashboards and web applications. (Apache Flink, Kafka, Apache Druid, Elasticsearch)

- Analyze, Design and Implemented REST Microservices which support data streaming engines to enrich data streams with business-related tags (Java, play framework, Mongo DB)

- Implemented automation tools for functional and load testing of the steam engine for other microservices

- Design and implement a Cordova wrapper plugin to connect scanner devices to the main application (Java)

- Worked on public cloud environments (Azure)

- CI/CD - Jenkins

LEAD SOFTWARE ENGINEER
NCINGA | COLOMBO
JAN 2020 - MAR 2021

One APP automation tool

One app automation tool is built for automating new factories' deploying process.

Contribution:

- Lead the development team

- Analysis, Design, Development, and Integration of the client application (angular, lokijs)

- Analysis, Design, Development, and Integration of the automation service (play framework, mongoDB)

- Worked on public cloud environments (AWS)

- CI/CD - Jenkins

SENIOR SOFTWARE ENGINEER
ZILINGO | COLOMBO
APR 2021 - MAY 2021

Data Interceptor

Data interceptor stands between all data input applications and stream engine and validates, routes data before sending it to the stream engine.

Contribution:

- Lead the development team

- Analysis, design, development of the microservice (play framework, MongoDB)

EDUCATION

BSC IN COMPUTER SCIENCE

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING |
COLOMBO
2019

G.C.E. ORDINARY LEVEL & ADVANCE LEVEL

ST. ALOYSIUS' COLLEGE | GALLE
2012

Advanced Level - Physical Science Stream

SKILLS

Apache Druid

Java

Angular

Akka Actor System

Kafka

Apache JMeter

MongoDB

Ionic

Elasticsearch

Lokijs

NodeJs