

MATHEW KADAMBATT

Walmart Global Tech | Ex-Oracle, Bangalore
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Application Engineer with a demonstrated history of working in the Software Development Life Cycle along with deployment & maintenance of Services part of the Software development Life cycle under an agile project environment.
Expertise in Financial and Retail Domain.

EXPERIENCE: 7 years

Walmart Global Tech Aug 2019 to Present
Senior Site Reliability Engineer

Global Integrated Fulfillment (GIF):

- Developed and implemented a strategic roadmap for new initiatives, aligning with the evolving business goals.
- Utilized various python scripting libraries for automations and to perform various linux operations.
- Advanced skill set in various monitoring tools for Apps deployed in Azure: Splunk, Dynatrace (APM product), Kibana, Prometheus-Grafana
- Widely used the Dynatrace and Grafana to monitor and set various alerts (service, infra, failures) for the apps deployed in cloud servers as well as in Kubernetes(pods)
- Built tools to assess, debug and resolve impacting production failures within defined timelines.
- Improvise the existing alerting and integrate new alerting designs/tools to existing system in order to meet the SLAs & SLOs on top of infra SLA guaranteed by cloud like Azure.
- Performed RCA for multiple high severity issues P1/P2 and built automation to perform the financial impact calculations for the business to determine the severity of the issue.
- Expertise in new infra/tech-stacks like Apache Kafka, Elastic Search & Kibana, Docker & Kubernetes, Prometheus, etc deployed on Azure/GCP.
- Intermediate expertise in Data Analysis using Excel and Data analytics libraries of python. Utilized for infra capacity utilization based on business requirements.
- Setting up CI/CD pipelines using custom framework tools like looper & concord built on top of Jenkins in order to standardize the building and deployment strategies set for microservices.
- Worked on docker in-order to build containerized apps for microservices in Kubernetes.
- Worked on private Kubernetes platform (WCNP) built on top of Azure cloud. Worked on custom tool sledge to connect to an internal k8s cluster and perform various k8s operations like viewing logs, deleting the pods, etc. Set up config file in order to deploy the containers(pods) to a cluster through an inbuilt CI/CD pipeline.
- Analyze application performance during stress tests and analyses heap/thread dump for spring boot apps deployed on VMs or pods in k8s hosted on Azure.
- Successfully implemented Agile methodologies to improve project delivery efficiency and collaboration among cross-functional teams (Dev/QA/Product) along with following a change management process (CRQ) using service now.
- Build automations in Python to reduce manual efforts spent on day-to-day activities.
- Generate reports on the Business and Application performance using monitoring/reporting tools.
- Build tools/scripts to analyze the performance of in-store activities (picking, delivering to customers), analyze the drawbacks and suggest improvements.
- Enhance the custom spring-boot actuator present in microservices which is used to perform health checks of application.
- Understanding the Apps functional & Infra architecture in order to support various components/operational flows.
- Perform data Analysis and suggest optimal approach during infra and code designing.
- Performed Android automations using backend scripts and Appium drivers in python,

Achievements:

- Improvise the application stability and availability during change roll outs.
- Build better strategies to handle Production outages.
- Improvised monitoring which helped in taking proactive measures in handling the issues.
- Increased Associate Productivity
- Built better Application User experience

Oracle Financial Services Software Limited July 2016 to Aug 2019

Application Developer II

IFRS9 (International Foreign Reporting standards) & IFRS17- Insurance

- Understanding the SDLC and implementing product installation and maintenance on Linux setup using automation tools like CHEF (using Linux scripts and Python).
- Development of the web layer of the application that includes dynamic UI interfaces using Java-scripts(knockout js and plain java-script) at front end.
- Using Python libraries performing data extraction and financial ruleset Management
- Development of Analytical Reports using the Oracle BIEE reporting tool.

Achievements:

- Developed backend rest webservises for various UI transaction calls
- Developed webpages using plain JavaScript, knockout js and oracle-jet (internal library built on knockout)
- Built utilities on python which helped in data extraction and manipulation for rule configurations
- CI/CD: Built automations controlled using chef for seamless deployment and data/config loading based on environment
- Built numerous Dashboards for the data reporting on the OBIEE reporting tool

TRAININGS AND CERTIFICATIONS

- Big Data Analytics with Hadoop and Apache Spark
- Kubernetes: Package Management with Helm
- Learning SSL/TLS
- Data Science Foundations: Fundamentals
- Blockchain Basics (National Association of State Boards of Accountancy & LinkedIn Learning)
- Software Architecture – Domain Driven Designing (LinkedIn Learning)
- AWS for Developers: Amazon Corretto and Java
- Learning Cloud Computing: The Cloud and Devops (Lynda.com)
- Microservices Foundations (Lynda.com)
- Introduction to Data analysis using Excel (Rice University & CourseEra)
- Oracle Database basics (Oracle Certification)
- Backend Server application Development - Java basics (Oracle Certification)
- Linux & Unix Essentials (Oracle Certification)
- OBIEE 11g – Reporting tool for Business Analytics (Oracle Certification)

TECHNICAL SKILLS:

- Java backend (spring-boot) & JavaScript
- Python basics
- Oracle SQL/MSSQL
- Automations using python and Chef
- Docker and Jenkins - basics
- Cloud Architecture & Services
- Data Analysis using Excel or custom tools

PROJECTS

- Intelligent Store Monitoring & Forecasting:
AI model that predicts the probability of failures and take precautionary measures to overcome failures through self-learning
- Room Cleaner bot:
A prototype of an automated robot that can clean the floors of a house by avoiding obstacles using Raspberry-Pi and Atmega Microcontroller
- Segregation Robot:
A robot that picks up contents in 4 boxes of different color and dumps it in designated locations in shortest path

ACHIEVEMENTS & AWARDS

- Walmart Wizard Award
- Bravo Award
- Excellence Award

EDUCATION

Bachelor of Technology	College of Engineering Trivandrum	2016
AISSCE	Nirmalamatha Central School, Thrissur, CBSE	2012
AISSE		2010

ADDITIONAL INFO

- Nationality – Indian
- Linguistic proficiency
 - English
 - Hindi
 - Malayalam