CHIEDU ONWUEMENE

1608 Creighton Hall Way Durham, NC 27703   (773) 425-9295

PROFILE

Senior Software Engineer with experience designing, implementing and maintaining modern software solutions for employers and clients across various industries.

SKILLS

Programming Languages: Java, Javascript, Python Typescript, SQL, C, C#

Tools/Technologies/Platforms/Frameworks: AWS (Elastic Beanstalk, EC2, DynamoDB, SageMaker, RDS, SQS, SNS, S3, Lambda, Cloud Formation, Parameter Store, CloudWatch, ECS, ECR), NodeJS, React, Material UI, Serverless Framework, Docker, Git, Jenkins, Gitlab, Sentry, MySQL, PostgreSQL, MongoDB, Jupyter Notebooks and many more.

EXPERIENCE

SOFTWARE ENGINEER/CO-OWNER COAGCOACH; DURHAM, NC — 2023-PRESENT

- Created cloud architecture on AWS from scratch, administering network and server resources, consistently optimizing cost, reliability and high availability of services.

- Created software tools (using Serverless Framework and NodeJS) to automate the process of preparing podcast audio for publication, achieving an 85% reduction in the time it takes to release new podcast episodes.

- Built a CI/CD pipeline leveraging AWS CodeDeploy, streamlining timely deployment of new features and bug fixes.

DATA ENGINEER LITTERATI INC; DURHAM, NC — MAY 2021 - DECEMBER 2022

- Migrated approximately 15 million records from PostgresSQL to MongoDB over a 2 month period while maintaining 99% uptime for the source and destination databases, thereby improving application reliability and performance, and simplifying downstream ETL processes.

- Developed and supported backend computer vision data pipeline for Litterati ™ mobile app with a user base of 100,000+ active users.

- Used NodeJS to develop internal tools to support ETL processes, thereby simplifying data analysis and equipping account managers and sales department to present compelling data-driven reports to clients.

- Maintained AWS cloud-based infrastructure such as database instances, VPCs, public and private subnets and peering connections, optimizing cost and high availability.

Developed, maintained and supported mission-critical systems supporting Rho's business, contributing to company's profitability.

Highlights:

- Created and deployed Task widget component using Java, Spring, Bootstrap and Velocity templates to help diverse groups document and assign tasks to each other and track their various statuses.

- Released new features, maintained and supported various LAMP (Linux Apache MySQL PHP) star web apps in Java and Spring.

- Successfully advocated and secured approval for the use of JRebel hot deploy agent for local development use, which caused a significant increase in developer productivity by eliminating the need for server restarts during local development.

SOFTWARE DEVELOPER JGSULLIVAN INTERACTIVE; CHICAGO, IL — 2005-2013

Helped to develop, enhance, maintain and support multiple ad-builder web applications for various clients.

Highlights:

- Was primary developer on an e-commerce site (Java, Struts, Oracle, JSPs) for large client; responsible for implementing enhancements and supporting client account representative.

- Developed, supported and maintained various client web applications using Java, Spring, Oracle and JSPs.

PROGRAMMER ANALYST CNA INSURANCE; CHICAGO, IL — 2000-2005

Helped to develop, enhance, maintain and support software applications for generating quotes for various insurance products.

EDUCATION
WESTERN ILLINOIS UNIVERSITY, MACOMB, IL — B.S. COMPUTER SCIENCE

CERTIFICATIONS

AWS Certified Solutions Architect

AWS Certified Cloud Practitioner

Sun Certified Java Developer