

Aisha Abubakar Aliyu

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CAREER OBJECTIVE

Passionate and hard-working software engineer with 7+ years' experience participating in the complete product development lifecycle of successfully launched applications.

SKILLS

Languages: Scala, Python, Javascript, Typescript, HTML, CSS

Technologies: Kafka, Akka, Node.js, Angular, Docker, MicroServices, SQL, noSQL, MongoDB, Git, Kubernetes, Swagger API, Git, Redux, Websockets

WORK EXPERIENCE

Software Engineer Team Lead, July 2023 - Present. Improving, Ottawa

Postal Service Project (Agile)

Working together with project stakeholders to design and develop reactive applications.

- Designing and developing new backend features using Scala
- Working together with other software engineers, Business Analyst Scrum Master and Product Owner to ensure team commitments are properly outlined and defined
- Performing and maintaining deployment in production environment
- Triaging and investigating Production defects
- Collaborating with other teams to ensure features the team is dependent on is completed on time
- Ensuring features are properly tested by writing unit and integration tests
- Working with UI/UX designer to design UI components to enable full feature development
- Supporting team members to ensure project commitment are accomplished on time.

Key Achievements

- Participated in the design and implementation of new Cosmos database and ensured migration is successful
- Designed new administrative application which is used to manage set of user inputted information used in the system

Software Engineer, May 2021 – June 2023. Improving, Ottawa

Postal Service Project (Agile)

Working together with other software engineers to design and develop reactive applications.

- Implementing new and maintaining existing API endpoints with Protobuf
- Using Slick and Scala to integrate backend with Postgres database
- Collaborating with product team during backlog refinement to ensure stories are properly constructed
- Ensuring features are properly tested by writing unit and integration tests
- Assist with developing UI components to enable full feature development
- Accessing and reading messages from Kafka topics and manipulating information and saving data to the database
- Assisting and working with other team members to ensure project commitment are accomplished on time.

Key Achievements

- Steeped in as interim team lead for a short term where I was responsible for my Team's deliverables and represented the Team at meetings. I was duly recognized by the CEO and HR for performing exceptionally in this brief period of leadership.

Software Engineer July 2017 – April 2021. IBM, Halifax

Airline Project (Agile)

Working together with other software engineers to design and develop responsive web applications.

- Assist with bug-fixing and feature development using Angular.
- Assessed UX and UI designs for technical feasibility.
- Collaborated with product team members to implement new feature developments.
- Created reusable Angular components and managed application state with Redux.

AI Project (Agile)

Collaborated with other developers to design, implement, test, deploy as well as support artificial intelligence functionalities.

- Implemented and maintained the API service functionality of the product using Node.js.
- Help to re-architect the Node.js backend to integrate smoothly with databases.
- Build microservices using Docker and Kubernetes
- Design, build, document, and consume custom RESTful APIs using Swagger.
- Implement unit tests using Mocha framework and Pytest.
- Using modern identity standards (OAuth) to implement authentication and authorization between applications.

Key Achievements

- Attained a patent relating to the automatic content segmentation/separation
- Patent pending machine learning for the detection of blank pages using python.
- Integrated Node.js web service with APIs such as IBM text-to-speech and IBM speech to-text for POC.

PERSONAL DEVELOPMENT

- Google Cloud Professional Cloud Developer 2022 - 2024
- Lightbend Scala Language – Professional 2021
- Reactive Architecture (1): Introduction to Reactive Systems 2021
- Reactive Architecture (2): Domain Driven Design 2021
- Reactive Architecture (3): Reactive Microservices 2021
- Reactive Architecture (4): Building Scalable Systems 2021
- Reactive Architecture (5): Distributed Messaging Patterns 2021
- Reactive Architecture (6): ICQRS & Event Sourcing 2021
- AWS Certified Cloud Practitioner 2020
- Python for Data Science Badge 2020
- Data Science Foundations - Level 1 Badge 2020
- ICAgile Certified Professional 2019

EDUCATION

Master of Science in Computing and Data Analytics, 2018

Saint Mary's University
- Halifax, Canada

Bachelor of Science with First Class in Computer Science 2016

Coventry University -
Coventry, United Kingdom