Kamari Clark

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SUMMARY

Dedicated, versatile engineer with experience supporting resilient, high-performance applications accessed by millions. Passionate about team development, fostering knowledge transparency, and continuous learning. Known for innovative problem-solving, proactive communication, and a commitment to creating scalable, user-focused solutions.

EDUCATION

UNIVERSITY OF MARYLAND EASTERN SHORE - Princess Anne, MD
Bachelor of Science (BSc) Business Administration

TECHNICAL SKILLS

Languages/Frameworks:	Javascript, Node, Vue, React, C#, .NET, PyTest
Technologies:	SQL, MongoDB, GraphQL, Docker, AWS
Concepts:	Unit Testing, Software Architecture and Design
Certifications:	AWS Certified Developer - Associate

EXPERIENCE

Capital One - *Mclean, VA*
Senior Software Engineer (Jul 2019 - Present)

- Automated export of financial data snapshots using dynamic web scraping scripts in combination with CRON jobs reducing the number of manual jobs and allowing for more accurate real-time updates
- Designed a file transfer module, allowing for transfer of 1+ petabyte of critical data to Amazon S3 buckets at a 35% reduction in storage overhead costs with improved speed of data accessibility
- Updating job to use SQL stored procedures for database operations to improve reusability, modularity and reduce network traffic due to less individual queries.
- Configured Amazon RDS database instance, optimizing for performance and reliability to support backend API payload processing and utilizing AWS CloudWatch for performance insights, RDS instance metrics, and finding potential issues to maintain optimal performance.
- Utilized Swagger to create thorough RESTful API documentation, enhancing developer understanding and adoption by providing clear endpoints, examples, and error handling, resulting in less time spent onboarding.

ENGINEERING PROJECTS

Public Transit Live Dashboard
Web application that leverages geolocation with local bus train schedule data from transit API to provide real-time, proximity-based arrival times in a mobile-friendly HTML dashboard.
Typescript | HTML | CSS | Node.js

- Created a clean and intuitive user interface, ensuring the application is accessible and responsive across various devices, resulting in a seamless experience for users on the go.
- Added interactive components such as real-time countdowns and filtering by preferred mode of transport to tailor to immediate user needs.
- Reduced load times and minimized data usage by implementing smart caching techniques and optimizing API calls, enabling faster data refresh and a smoother user experience in bandwidth-constrained environments.

Facial Detection Application
Python based web application leveraging OpenCV and Dlib facial detection libraries to track webcam input in real-time.
Python | HTML | JS

- Experimented with machine learning models for more accurate facial detection and recognition, incorporating pre-trained models for real-time inference and enhancing detection accuracy for complex scenarios.
- Implemented facial landmark detection and emotion recognition, enhancing application interactivity and achieving 94% emotion detection accuracy.