

Akib Maredia

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Experience

VARIS | REMOTE US

DEC. 2021 - APR. 2024

Software Engineer I

- Led the development of a Central Relationships Service, boosting the efficiency and scalability of our Authorization System
 - Enhanced data retrieval APIs with caching, cutting response times by **30%** for frequently accessed data.
 - Optimized bulk creation endpoints, improving response times by over **70%**
- Directed the creation of high-tier microservices, improving operational efficiency and impacting project timelines and system reliability.
- Devised login flows, integrating with various systems to enhance platform usage and marketplace traffic.
- Managed the deployment and support of production services, ensuring smooth integration and reduced system integration times.
- Implemented comprehensive monitoring solutions using New Relic, establishing robust dashboards and alerts that improved system observability and issue responsiveness.

[GO](#), [KUBERNETES](#), [POSTGRES](#), [CI/CD](#), [FORGEROCK](#), [IAM](#), [REACT JS](#)

COX COMMUNICATIONS (CONTRACTOR) | REMOTE US

AUG. 2021 - DEC. 2021

Software Engineer I

- Created and updated REST APIs for Incident management tool and updated UI components for the same.
- Streamlined deployment processes by orchestrating service containers with Kubernetes.

[JAVASCRIPT](#), [REACT JS](#), [FLASK](#), [KUBERNETES](#)

AMAZON.COM | REMOTE US

MAY 2020 - JUL. 2020

Software Development Engineering Intern

- Accelerated workflows by creating REST API endpoints in Java Spring and corresponding React components.
- Managed application side effects, including asynchronous activities API calls via Redux sagas.
- Optimized user experience by restructuring existing React components for improved accessibility based on user subscriptions.

[JAVA SPRINGBOOT](#), [TYPESCRIPT](#), [REACT JS](#), [REDUX](#)

Skills

Languages : Go • Java • SQL • JavaScript • TypeScript • Python • C#

Frameworks: React • Redux • Node.js • Java Spring Boot • Flask

Developer Tools : • Git • Docker • Kubernetes • New Relic • Terraform

Education

UNIVERSITY OF FLORIDA | GAINESVILLE, FL

Master of Science in Computer Science | GPA: 3.79

UNIVERSITY OF MUMBAI | MUMBAI, INDIA

Bachelor of Engineering in Computer Engineering | GPA: 3.39

Projects

TWITTER SIMULATOR | [GITHUB.COM/AKIBMAREDA/TWITTER-SIMULATOR](https://github.com/akibmaredia/twitter-simulator)

- Simulated an auto-scalable Twitter using Akka Actor model with functionalities like registration, tweet, follow, mentions, hashtags, unfollow, live feed, and search.
- Simulation supported **10K** simultaneous users with **217** tweets per second
- **Second part** of this project involved designing and developing a web application supporting the same functionalities using REST API back-end.
- Implemented WebSocket protocol for delivering live feed between clients-server and making new users available for following.

[F#](#), [AKKA ACTOR MODEL](#), [.NET CORE](#)

PASTRY - P2P ROUTING | [GITHUB.COM/AKIBMAREDA/PASTRY-PROTOCOL](https://github.com/akibmaredia/pastry-protocol)

- Designed and implemented Pastry; a distributed, scalable object location and routing substrate which supports data sharing across wide peer-to-peer applications
- Performed load testing with **262K** peers participating in the network and achieved an average of **7 hops** per transmission to reach the destination

[F#](#), [AKKA ACTOR MODEL](#), [.NET CORE](#)