

## Madhuree Latha Allam

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### EDUCATION

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**Master of Science in Computer Science** | University of Florida, Gainesville, FL **May 2021**

**Bachelor of Technology in Computer Science** | Kakatiya University, Warangal, India **May 2019**

### SKILLS

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**Programming Languages:** Java, Kotlin, JavaScript, Python

**Frontend Technologies:** React JS, HTML, CSS, JavaScript

**Database:** MySQL, MS SQL Server, AWS Spring Boot, Kafka, Redis

**Tools:** Git, Datadog, Terraform, Kubernetes, Jira

### PROFESSIONAL EXPERIENCE

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**Guidewire Software | Software Engineer - III** **Oct 2023 - Present**

- Architected and implemented a **Spring Boot** reactive microservice along with **AWS DynamoDB, S3** and **Kotlin Coroutines** for high volume quoting which improved the performance by 2x times.
- Provisioned Elastic Cache for **Redis** using **Terraform** scripts to cache complex schemas for payload validation, thereby enhancing the caching performance and reducing validation time of quote payload by ~40%.
- Integrated **Kafka** with microservices to facilitate uninterrupted event production through background process while preserving API latency.
- Generated and built **Datadog** metrics, monitors for customers to showcase the utilization of Policy Center.

**Guidewire Software | Software Engineer - II** **Oct 2021 - Oct 2023**

- Administered an orchestrate application by extracting a feature from a monolithic application, significantly improving quoting performance 1.5x times.
- Developed **Datadog** dashboard for existing applications that displays application errors, performance metrics, and **Kubernetes** pod usage, thereby facilitating rapid monitoring and expeditious issue resolution.
- Optimized existing API functionality by architecting a standardized response format derived from downstream services, thereby enhancing response handling and processing efficiency.
- Led security initiatives for the Policy Center application, continuously monitored vulnerabilities, and proactively resolved issues to ensure secure code delivery prior to customer deployment.

**LexisNexis Risk Solutions | Software Engineer** **July 2021 - Oct 2021**

- Documented the complex environment setup process for an **AWS** and **Spring Boot** based application.
- Spearheaded efforts to improve the health portal application's test case coverage, successfully increasing it from 60% to 90% which improved overall application stability.

### PROJECTS

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**Shylnk | React JS, Ruby on Rails, AWS** | <https://shylnk.com>

- Modified and enhanced the User Interface using React JS which accelerated the traffic to the site up to 50%.
- Refactored the legacy backend code using Ruby on Rails to add new features and fixed ~4 major issues.
- Utilized Jenkins for CI/CD and actively maintaining hosted Linux servers in AWS.

**Portfolio Website | HTML/CSS, JS** | <https://www.madhureeallam.com/>

- Created a custom designed portfolio website using HTML/CSS & JavaScript to reflect my skills and timeline.
- Configured CI/CD setup to automate deployments and actively maintaining the website.

**Collab | React JS, SQL** | <https://github.com/madhureelatha/CollabFrontEnd>

- Devised a web application that analyses the existing Kaggle data of a social networking platform "Meet up".
- Extracted knowledge insights (such as geographical, user-level insights etc.) from millions of records in ~10 sec.

### OTHER ACHIEVEMENTS

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- Active volunteer developer of **SUN** (Student Union for Nation) and **MAD** (Make A Differences) organizations.
- **Coursera** certified courses attended: AWS, JavaScript, React JS, Java, Responsive Styling.