ANURADHA LACHOLLA

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OBJECTIVE

With 3 years of experience in the IT industry, I specialize in web design and development using Java, Spring Boot, and Drupal. I have built dynamic, secure web applications, designed backend APIs, and integrated real-time functionalities. Additionally, I have hands-on experience in database design, requirement analysis, and developing enterprise applications for both manual and automation processes.

EDUCATION

Cleveland State University |Cleveland | Ohio   Aug 2023 - May 2025

Master of science in Computer Software Engineering

PROFESSIONAL EXPERIENCE

Cleveland State University – Graduate Web Design Specialist & Lab Monitor   Sep 2023 - May 2025

- Maintained and updated university web pages using Drupal 7 and 10, incorporating dynamic content, multimedia elements, and event-specific updates.
- Designed and deployed online forms and surveys using Qualtrics and Adobe Dreamweaver, enhancing user engagement and data collection processes.
- Utilized FileMaker Pro and MS Access for database reporting and supported targeted outreach through MailChimp based email campaigns.
- Created and published digital content for university events, while managing the institution's LinkedIn presence to share job postings and official announcements.
- Provided technical support to students and staff, resolving issues related to software, hardware, lab equipment, and printer functionality.

Environment: Drupal 7 & 10, Adobe Dreamweaver, Qualtrics, FileMaker Pro, MS Access, MailChimp, LinkedIn.

DXC Technology – Associate Professional Software Engineer   Jun 2022 - Jul 2023

- Built secure Spring Boot APIs to create, update, and retrieve insurance policies, ensuring consistent data flow across policy lifecycle screens in the MetLife portal.
- Integrated Kafka to trigger real-time claim status notifications to user dashboards and internal systems, enabling asynchronous, decoupled workflows.
- Designed MySQL/Oracle schemas to track policyholder history, premium payments, and claim settlements, ensuring efficient data retrieval and reporting.
- Used DTOs and JPA to map and serve nested policy-holder-claim relationships in a format consumable by the frontend with minimal joins.
- Documented endpoints with Swagger and tested all API flows (e.g., "Submit Claim", "Calculate Premium") via Postman and automated JUnit/Mockito test cases (90%+ coverage).

Environment: Spring Boot, Kafka, MySQL, Oracle, JPA, DTOs, Swagger, Postman, JUnit, Mockito.

Brain O Vision – Web Development Intern.   Mar2021- Dec2021

- Developed secure backend APIs for an e-commerce platform using Spring Boot, MySQL, and Spring Security, focusing on product, order, and user management features.
- Gained hands-on experience in database design, SQL optimization, and implementing secure, role-based access controls to

enhance system security.

Environment: Spring Boot, MySQL, Spring Security, SQL, Database Design

PROJECTS

Online Integrated Development Environment (IDE)

- Built a dedicated Spring Boot microservice to handle LLM requests, including language detection, prompt optimization, and asynchronous REST API communication.
- Used Redis to cache frequent code queries and LLM responses for low-latency suggestions.
- Implemented multi-threaded execution engines to process concurrent code submissions efficiently.
- Developed real-time system dashboards for CPU and memory monitoring during code execution.
- Used Kafka to stream execution logs, error messages, and system events between services for observability and scalability.
- Dockerized language runtimes to isolate execution environments and ensure consistent performance across sessions.

Environment: Spring Boot, Redis, Kafka, Docker, Multi-threading, Asynchronous REST API, Microservices, Real-time Dashboards, CPU/Memory Monitoring

Real-Time Bidding System for Pre-Owned Products

- Architected a modular microservices-based system using Spring Boot for bidding, product, authentication, and notification services.
- Implemented Apache Kafka for real-time, asynchronous communication between distributed services.
- Optimized PostgreSQL with indexing and query tuning to enhance database performance under load.
- Integrated Redis caching for active bids and frequently accessed data to reduce latency and improve response time.
- Secured APIs using OpenID Connect for token-based authentication and enforced SSL/TLS for end-to-end encryption.
- Dockized all services for isolated, reproducible environments and ease of deployment.
- Deployed to AWS with EC2 (compute), RDS (PostgreSQL), and S3 (media storage), ensuring scalability and high availability.
- Applied production-grade patterns including rate limiting, horizontal scaling, and retry mechanisms for robustness under peak traffic.

Environment: Spring Boot, Apache Kafka, PostgreSQL, Redis, OpenID Connect, SSL/TLS, Docker, AWS (EC2, RDS, S3), Horizontal Scaling, Rate Limiting, AWS EC2, RDS, S3