PRANAV VISPUTE

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TECHNICAL SKILLS & CERTIFICATIONS

- **Back End Languages** : Java , C++, Python
- **Front End Languages** : HTML5, CSS3, TypeScript, JavaScript
- **Database** : Oracle, DB2, MySQL, PostgreSQL
- **Frameworks** : Spring Boot, Angular, Hibernate,Spring, Spring MVC, JPA, JSF, JSP, Bootstrap,React, JUnit
- **Tools** : GitHub, Gradle, Maven, Jira, Bitbucket, Apache Tomcat, JBoss, WAS, Putty, Splunk
- **Design Software** : Eclipse, VS Code, IntelliJ
- **Platforms** : Windows, UNIX, AWS
- **Messaging Tools** : JMS, Kafka
- **Architecture** : Microservices, Rest API, Monolithic, GraphQL
- **Certifications:** : PG Diploma in Advance Computing (2021)

PROFESSIONAL EXPERIENCE

ICE MORTGAGE TECHNOLOGY *July 2021* - **Present**
Software Engineer Pune, Maharashtra

- Designed and implemented RESTful APIs using Spring Boot and Spring Web, enabling seamless communication between microservices and improving data transfer efficiency by 30%.
- Developed and optimized GraphQL APIs for efficient data fetching and reduced over-fetching/under-fetching issues.
- Secured RESTful APIs using OAuth 2.0 and JWT authentication, ensuring secure access control and data protection.
- Optimized database performance by 40% through query optimization, indexing, and caching strategies using Spring Data JPA and Hibernate.
- Integrated Redis with Spring Boot to cache frequently accessed data, reducing database query load by 40%
- Enhanced Angular app UX with responsive design, API debouncing, and loading optimizations, reducing API latency by 30% and improving page load speed by 40%.
- Demonstrated strong initiative by identifying and implementing process improvements, reducing project turnaround time by 15%.
- Migrated the project build system from Apache Ant to Gradle, achieving a 40% improvement in build performance and a 30% reduction in build times.
- Conducted code reviews to ensure code quality, maintainability, and adherence to best practices.
- Designed and implemented microservices-based architecture to enhance scalability, modularity, and maintainability, enabling independent deployment of services.
- Utilized API Gateway for centralized authentication, request routing, and rate limiting, improving API security and performance.
- Implemented Resilience4j-based circuit breakers to handle failures gracefully and improve microservices reliability.
- Developed and maintained CI/CD pipelines using Jenkins and GitLab CI, automating build, test, and deployment processes to accelerate release cycles.
- Actively participated in Agile Scrum ceremonies, including sprint planning, daily stand-ups, and retrospectives, improving team efficiency.

PROJECT WORK

Authentication Service [LINK]

Tech Stack: **Core Java, Java 11+, Spring Boot, Spring Data JPA, Gradle, Groovy, REST API, MySQL, Kafka, JWT,Spring Security, Swagger,Lombok, Postman**

Project Overview:

Developed a secure Authentication Service responsible for user authentication and authorization, acting as the primary entry point for application access. Implemented JWT-based authentication for secure access control and integrated Kafka for distributed event-driven communication between microservices

Contributions & Impact:

- Designed and implemented a secure authentication and authorization service using JWT-based token management.
- Developed Spring Security filters (SecurityConfig, JWTFilter, TokenController) to handle token validation and authentication.
- Created RESTful APIs for user sign-up, login, token refresh, and role-based authorization.
- Secured passwords by implementing BCrypt hashing for encrypted storage in the database.
- Integrated Kafka-based event-driven messaging for reliable authentication event processing and decoupled microservice communication.
- Designed an asynchronous messaging system using RabbitMQ, enhancing event-driven communication between microservices
- Integrated ELK stack for centralized logging and real-time monitoring, reducing troubleshooting time by 40%.
- Used Kafka Streams for real-time processing of authentication data to generate user session insights.
- Added structured logging in service layers using SLF4J for enhanced debugging and traceability of authentication workflows.
- Created Swagger documentation for API endpoints, improving usability and API testing

Banking Services [LINK]

Tech Stack: **Core Java, Java 11+, Spring Boot, Spring Data JPA, Maven, REST API, Angular, MySQL, JWT,Spring Security, Lombok,Swagger, Postman**

Project Overview:

Developed a secure and scalable banking system that enables users to perform transactions, manage accounts, and receive real-time email notifications.

Contributions & Impact:

- Created and maintained technical documentation, including system architecture, API specifications, and development guidelines to ensure clarity and knowledge sharing across teams.
- Designed and developed RESTful APIs for account management, credit, debit, balance inquiry, and fund transfers.
- Wrote REST Assured test cases to validate RESTful APIs, achieving 90% test coverage.
- Secured user access and protected sensitive data by implementing JWT-based authentication.
- Integrated Spring Data JPA for efficient database operations and optimized queries in MySQL.
- Developed an automated email notification system to inform users of transactions and send account statements
- Created Swagger documentation for API endpoints, improving usability and API testing
- Conducted unit testing using Postman to validate API functionality and ensure system reliability.
- Implemented and maintained unit tests using frameworks like JUnit and Mockito to ensure code reliability, maintainability, and test coverage.

EDUCATION

Institute for Advanced Computing and Software Development — **August 2021**
Centre for Development of Advanced Computing (C-DAC) — Pune University

KDK College of Engineering — **June 2018**
Bachelor of Engineering — Nagpur University