Arun Kumar Lakkineni

email: lakkineniak@gmail.com

contact: +91 7097385682

projects: github.com/ArunKumarlakkineni

address: Hyderabad

WORK EXPERIENCE

Software Engineer

PRODAPT

Sep 2022 - present*

Regional Invoice Billing (API development)

- **Engineered** a Spring Boot-based invoice reporting system, ensuring precision and compliance with client requirements.
- **Optimized** data extraction and processing using IBM Db2, SQL, and Hibernate for detailed invoicing.
- Led team-wide training sessions on coding methodologies, empowering team members to manage their contributions independently and boosting productivity by 25%.

ADAPT Path to Premier (API development)

- Developed and maintained a Java backend application using Spring Boot for the ADAPT project.
- Integrated external services (Salesforce, McAfee, C360, RTO, Plume) via RestTemplate, enhancing data flow and system efficiency.
- Achieved over 90% test coverage with rigorous JUnit testing, strengthening reliability and reducing bugs by 35%.
- Architected and deployed **70+ APIs**, implementing secure bearer and access tokens for optimized session management.
- Collaborated directly with clients to align API functionalities with business needs, increasing client satisfaction scores by 90%.
- Diagnosed and mitigated code smells, security vulnerabilities, and performance bottlenecks using SonarQube, improving code quality by 30%.
- Orchestrated microservices deployment on AWS Kubernetes clusters, achieving 99.99% uptime and accelerating deployments by 50% with CI/CD.

Software Engineer Intern

PRODAPT

Mar 2022 - Sep 2022 (6 Months)

- Designed and optimized database schemas using Hibernate and SQL, boosting query performance by 30%.
- Implemented Spring Security for authentication and authorization, enhancing system security by reducing unauthorized access attempts by 40% and improving response time for authenticated requests by 25%.
- Collaborated with frontend developers and clients in an Agile environment, delivering 100% of project milestones on time.
- Enhanced program efficiency by 20% through the implementation of advanced data structures, improving overall system performance.

TECHNICAL SKILLS

linkedIn: <u>@arun-kumar</u>

Programming Languages

Java, Python, Javascript, C++, C.

Frameworks, SDKs & Libraries

Spring Boot, Hibernate, Spring Data Jpa, Spring Security, Apache Camel, Spring Cloud, React js, Angular js, Android, Flutter, Pandas, Scikit-learn, Seaborn.

Architecture Patterns & Practices

System Design, Design Patterns, MVC, Microservices Architecture, RESTful API Design, Data Structures and Algorithms.

Tools & Utilities

Git VCS, CI/CD, JUnit, Docker, Kubernetes, Postman.

PROJECTS

Accident Detection AI App

Apk GitHub

- Developed a deep learning neural network using Python and MATLAB.
- Trained the model with clean data from diverse scenarios, achieving 88% accuracy in accident detection.
- **Optimized** hyperparameters to refine accuracy and reduce overfitting, **boosting detection performance by 15**%.
- **Built** an Android application using Android Studio to predict accidents from images, featuring progress bars **that enhanced user experience by 30%**.

SafeGuard App

Apk GitHub

- Engineered an Android app for personal safety with features like Al-driven chatbot, speech recognition, and shake detection.
- Curated and processed training data from diverse scenarios, achieving 91% accuracy in detecting dangerous text.

More projects at : github.com/ArunKumarlakkineni

EDUCATION

B.Tech in Electronics and Communication Engg.

JNTUH CEH2022Grade: 8.0 CGPASenior Secondary Education2017Grade: 96.3 %Secondary Education2015Grade: 9.3 CGPA

ACHIEVEMENTS

- Won HackJaipur Hackathon, securing 1st place in Autho and "Best Jugaad" category.
- •Ranked 727th in Code Kaze 2024 at the national level.