Anil Kumar

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| **PROFESSIONAL SUMMARY** | Focus on building reliable, scalable, and maintainable backend systems. Experience with event-driven architectures, real-time pipelines, and AI-driven solutions. Work includes improving system accuracy, modernizing platforms, and enhancing performance. | |
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| **EDUCATION** | Maulana Azad National Institute Of Technology (NIT),Bhopal  BTech in Computer Science and Engineering  CGPA: 8.30/10.0 | Graduation: **May 2022** |
| **TECHNICAL**  **SKILLS** | **Languages:** Java, Python, C, C++, JavaScript, PHP, HTML, CSS  **Frameworks:** Spring Boot, Flutter, Django, Bootstrap, FastAPI  **Queues:** RabbitMQ, Kafka, Solace  **Databases:** MongoDB, MySQL  **Tools:** Jenkins, Grafana, Kibana, Git | |
| **WORK**  **EXPERIENCE** | **Senior Software Engineer** | |
| **Airtel**, **Gurgaon, India** | **July 2022 – Present** |
| * Worked on event-based update architecture on the **Airtel Thanks for Business Platform**, optimizing order tracking efficiency by **35%**. * Designed and developed scalable **RESTful APIs** powering the Airtel Thanks for Business platform, handling high-volume order processing and customer interactions. * Architected and optimized **microservices** for order lifecycle management, ensuring modularity, fault tolerance, and high availability. * Enhanced event accuracy from **85%** to **99%** through advanced validation techniques, ensuring reliable updates in order tracking. * Led Platform migration from **Spring Boot 2 to 3** and **Java 8 to 21**, improve runtime performance by **20%**, reducing technical debt, and enabling adoption of modern language features. * Spearheaded platform security and resilience improvements, implementing role-based access control (RBAC), circuit breaker patterns, and retry mechanisms, reducing critical production incidents by 40%. * **Automated config driven product onboarding**, cutting setup time for new products by **70%** and reducing manual errors, enabling the business team to launch **5 new products** faster. | |
| **PROJECTS** | **Flutter News App** | Dart, Flutter, FirebaseDB, Youtube API, News API   * **Architected and Developed**: Led the high-level design and implementation of complex application features, ensuring seamless integration of NewsAPI and YouTubeAPI for real-time news and video updates with <2s latency. * **Maintenance and Support**: Improved database efficiency by 30% through stored procedure optimization and automated log file cleanup, ensuring smooth app performance.   **Android Vision Improvement System** | Java, Python, Android Studio   * **Enhanced Accessibility for the Visually Impaired**: Our solution empowers blind individuals with real-time text-to-speech conversion, enabling them to read any text aloud instantly, making printed materials, digital text, and labels easily accessible with latency < 1s. * **Comprehensive Environmental Awareness**: Integrated Indian currency recognition with 95% detection accuracy and lighting assessment, enabling secure transactions and safer navigation. | |