Shreyas Kaldate

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LinkedIn | GitHub

EDUCATION

Bachelor of Engineering in Computer Science, AI and ML Honours   **2019 - 2023**
Sinhgad Institute of Technology and Science, Pune University, India   **CGPA: 9.19/10**

WORK EXPERIENCE

Software Engineer, Jio Platforms Limited, *Navi Mumbai, India*   **Jan 2024 - Present**
- Developed and maintained full-stack features for the Domain Analytics module of Jio CloudXp, improving platform insights and performance monitoring.
- Built 20+ responsive Angular components and dashboards, increasing user engagement by 30% through improved UI/UX and real-time data integration via RxJS and REST APIs.
- Engineered 15+ backend microservices using Java, Spring Boot, Hibernate, and OpenFeign, enhancing data processing efficiency and service modularity.
- Implemented Spring Security with OAuth2 to secure APIs, reducing unauthorized access incidents by 40% and ensuring compliance with internal security standards.
- Collaborated with a 10-member Agile team using Git and Azure DevOps, contributing to sprint planning, code reviews, and delivering features with 95% on-time completion rate.

Java Developer Intern, Pie Infocom Pvt Ltd, *Mumbai, India*   **Nov 2021 - Dec 2021**
- Developed and deployed RESTful APIs using Spring Boot, enabling efficient communication between microservices. Successfully completed a project by applying training knowledge.
- Implemented a microservices architecture with Spring Data JPA, Hibernate, and MySQL, ensuring scalable and modular service design.
- Used Postman for API testing and Swagger for auto-generating interactive API documentation.
- Containerized services using Docker, ensuring consistent environments and simplifying deployment workflows.
- Optimized backend logic and database queries, leading to a 20% increase in system efficiency and reduced response time.

LEADERSHIP & PROJECTS

Online Banking Application | *Java, Spring Boot, REST APIs, MySQL*   **Jan 2024 - Sept 2024**
- Designed and implemented a microservices architecture for the Online Banking Application, utilizing Java, Spring Boot, and Spring Cloud for production-ready services.
- Managed configuration with Spring Cloud Config Server, and enabled service discovery and registration using Spring Eureka Server.
- Built resilient and secure microservices with RESILIENCE4J, OAuth2, OpenID Connect, and Spring Security; handled cross-cutting concerns using Spring Cloud Gateway.
- Utilized Docker for containerization, and Kubernetes for orchestration, and implemented observability with Prometheus, Loki, and Grafana, along with event-driven architecture using RabbitMQ and Kafka.

Smart Contact Manager | *React.js, Spring Boot, REST APIs, MySQL*   **Sept 2023 - Dec 2023**
- Developed a smart contact manager with user registration and login features.
- Optimized database retrieval for efficient access to contact information.
- Streamlined contact addition and management processes for enhanced user experience.

Smart Irrigation and Worm Detection | *Python, Tensorflow, OpenCV, C++, Raspberry Pi* **Aug 2022 - April 2023**
- Developed an IoT-based smart irrigation system leveraging soil moisture sensors and weather data for efficient water management.
- Designed and implemented a pest detection solution using convolutional neural networks (CNNs) for real-time worm identification.

- Reduced water usage and minimized crop damage by enabling automated irrigation and early pest detection alerts.
- Collaborated on optimizing system scalability and accuracy for diverse agricultural environments.

RESEARCH PAPERS

Efficient and Eco-Friendly Farming: Humidity-Based Smart Irrigation and Pesticide Management with Worm Detection
- International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE) Volume 11, Issue 4, April 2023, DOI: 10.48175/IJIRCCE-2516.

Smart Irrigation and Pesticide Management using Worm Detection
- International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE) Volume 11, Issue 4, April 2023, DOI: 10.48175/IJIRCCE-2516.

CERTIFICATIONS
- **NPTEL - Database Management System**
- **IBM - Introduction to Cloud**
- **AI Infrastructure and Operations Fundamentals**
- **Introduction to Generative AI**
- **Agile Project Management**
- **Design Thinking for Innovation**

SKILLS
- **Programming Languages:** C, C++, Java, Python, SQL, JavaScript, TypeScript
- **Technologies:** Spring Boot, Hibernate, REST APIs, Microservices, Angular, Pandas, NumPy, Matplotlib, Scikit- learn, TensorFlow, PyTorch, FastAPI
- **Tools:** MySQL, Oracle SQL, Postman, Git, Docker, Kubernetes, Excel, PowerPoint
- **Platforms:** IntelliJ, VS Code, Eclipse, Jupyter Notebook, Github, Gitlab, Gitea, Azure Devops
- **Soft Skills:** Communication Skills, Teamwork, Adaptability, Problem-Solving
- **Spoken Languages:** English, Hindi, Marathi

INTERESTS
- **Sports:** Cricket, badminton, kabaddi
- **Miscellaneous:** Listening to music, watching various web series, travelling