Shreyas Kaldate

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Education

New York University   2025 - 2027
Masters of Science in Computer Science   *New York City*

Savitribai Phule Pune University   2019-2023
Bachelors of Engineering in Computer Engineering (GPA: 3.676/4)   *Pune, Maharashtra*

Technical Skills

Languages: C, C++, Java, Python, JavaScript, TypeScript, SQL
Backend & Distributed Systems: Spring Boot, Microservices, RESTful APIs, Kafka, RabbitMQ, Resilience4J, Multi-threaded Programming, Multi-core/Multiprocessor Systems, System Performance Optimization
Databases: PostgreSQL, MySQL, CassandraDB, CQL
Cloud & DevOps: Docker, Kubernetes, Terraform, Azure DevOps, Git, Linux
Frontend: Angular, Bootstrap
Networking & Tools: Linux, Postman, Swagger, GitHub, GitLab
Other: Object-Oriented Design, Complex Software Debugging, Data Structure & Algorithms, Problem Solving

Work Experience

Jio Platforms Limited   **Jan 2024 - July 2025**
Software Development Engineer-I   *Navi Mumbai, Maharashtra*

- Contributed to Jio CloudXp, a hybrid cloud management platform serving millions of users, by developing scalable microservices and full-stack features.
- Engineered 15+ distributed microservices using Spring Boot, Hibernate, and OpenFeign; secured with OAuth2, reducing unauthorized access by 40%.
- Built 20+ real-time dashboards with Angular + RxJS + REST APIs, improving engagement by 30%.
- Integrated services with Kafka for event-driven processing and optimized data pipelines for high-throughput workloads.
- Deployed services on Kubernetes and automated CI/CD workflows via Azure DevOps, achieving 95% on-time delivery in Agile sprints.

Pie Infocom Pvt Ltd   **Nov 2021 - Dec 2021**
Software Developer Intern   *Mumbai, Maharashtra*

- Developed and deployed RESTful APIs using Spring Boot to facilitate efficient communication between microservices, applying hands-on training knowledge to complete a live project.
- Designed a scalable microservices architecture using Spring Data JPA, Hibernate, and MySQL for robust data management and modular service structure.
- Utilized Postman for API testing and integrated Swagger for auto-generating interactive API documentation to streamline development.
- Containerized services using Docker and optimized backend logic and SQL queries, improving system efficiency by 20% and reducing response time.

Projects

Online Banking Application | *Java, Spring Boot, REST APIs, MySQL*   **Apr 2024 - Dec 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, 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*   **June 2023 - Aug 2023**

- Designed and developed a full-stack Smart Contact Manager application with user registration, authentication, and role-based access control.
- Implemented efficient CRUD operations for contact data using Spring Boot, Hibernate, and MySQL, optimizing database queries for faster retrieval.
- Enhanced user experience by streamlining contact creation, editing, and management workflows with dynamic UI updates.

Smart Irrigation and Worm Detection | *Python, Tensorflow, OpenCV, C++, Raspberry Pi*   **June 2022 - May 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.