

Sailesh Chodabattula

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EDUCATION

- **Indiana University - Bloomington** Bloomington, Indiana, United States.
Master of Science in Computational Data Science. *August 2021 – May 2023*
Coursework : Software Engineering, Applied Machine Learning, Elements of Artificial Intelligence, Advanced Database Concepts, Data Mining, Statistics, Information Visualization, Applied Algorithms, Intelligent Systems, Management Access, and Big Data.
- **SRM Institute of Science and Technology** Kattankulathur, Chennai, India.
Bachelor of Technology in Electronics and Communication Engineering. *July 2015 – May 2019*
Course Work: Network Protocols, Calculus, Discrete Mathematics, Advanced Calculus.

TECHNICAL SKILLS

- **Programming languages:** Java, Python, JavaScript, TypeScript, Bash.
- **Web Technologies:** HTML, CSS, AngularJS, ReactJS, Ionic, Angular, JSON.
- **Frameworks:** Spring Boot, Spring MVC, Spring Core, Spring AOP, Spring Reactive Web, Spring Cloud, Spring Batch, Spring Web, Spring Security, Log4j, Flask.
- **Database Technologies:** SQL, PL/SQL, NoSQL, MongoDB, Cassandra, CosmosDB, DynamoDB, Elastic, MySQL, Oracle, PostgreSQL, R2DBC, JDBC, Hibernate, JPA, SQLAlchemy.
- **Devops Technologies:** Linux, Groovy, Docker, Kubernetes, Git, Jenkins, Maven, NewRelic APM, Prometheus, Cloud Formation, TerraForm, GitLab, GitHub, Bamboo, BitBucket.
- **Cloud Platforms:** Amazon Web Services (AWS), Google Cloud Compute (GCP), Microsoft Azure.
- **Data Science Tools:** Tableau, Data Analysis, NumPy, Pandas, Sk-learn, PyTorch, NLP, Hadoop, pySpark.
- **Testing Frameworks and Tools:** JUnit, Mockito, Selenium, JMeter, Cucumber, PowerMock, Postman
- **Apache Tools:** Apache Kafka, Apache Spark, Apache Camel, Apache Tomcat, Apache Airflow
- **Other Technologies:** Elk Stack, Kibana, Jira, Mambu, SOA, RabbitMQ, Swagger, OAuth2.0, Agile, Restful-API.

CERTIFICATIONS

AWS Certified Developer-Associate, Oracle Java SE 8 Programmer 1, Mambu Solution Consultant 1.,

EXPERIENCE

- **Walmart - Contract** Remote, USA.
Senior Backend Engineer. *June 2024 – Current*
 - **Cart and Checkout API Development:** Programmed and maintained robust backend systems for the Cart and Checkout team at Walmart - Mexico, and Canada, ensuring seamless shopping experiences for millions of users.
 - **Rest-ful Micro-services:** Implemented reactive programming paradigms using Spring Reactive Web to enhance system responsiveness and efficiency.
 - **Optimal Storage:** Enhanced database interactions with SQL and NoSQL databases while proficient in JDBC and reactive database access using R2DBC. Utilized Azure services like Cosmos DB for reliable storage.
 - Leveraged Java 8's stream API for efficient bulk data operations on collections, incorporating Lambda expressions, Streams, Method reference, and collections features.
 - Implemented Kafka Producer and Kafka Consumer in Micro-services to ensure real-time data flow.
 - Collaborated cross-functionally to design and deliver high-quality software, actively participating in code reviews, debugging, and performance optimization for reliability.
- **Western Governors University** Remote, USA.
IT Programming, Assistant Instructor - Evaluator *December 2023 – Current*
 - **Courses Supported:** Facilitated Java Frameworks, Data Structures, and Algorithms courses using Python, Software Design, Software Development, Backend Programming, and Version Control using Git.
 - Developed and maintained curriculum aligned with industry standards and provided comprehensive instruction to support competency development.

- o Mentored students in problem-solving, coding best practices, and software design for real-world challenges while evaluating their performance and offering constructive feedback.
 - o Collaborated with colleagues to continuously enhance course content, delivery methods, and learning experiences to meet the evolving needs of students and the industry.
- Indiana University - Bloomington** Bloomington, Indiana, USA.
Assistant Manager - Operations and Analytics - Part Time *September 2021 – May 2023*
 - o **Driving Efficiency::** Strategically transformed operations and production within the university supply chain, resulting in a 15% efficiency increase and 30% reduction in food waste, leading to substantial cost savings.
 - o Utilized analytics to optimize supply chain performance, achieving a 20% cost reduction and 25% improvement in delivery timelines.
 - o Led cross-functional teams to achieve a 30% reduction in process timelines and conducted data-driven decision-making, resulting in a 10% increase in resource allocation efficiency.
 - o Monitored KPIs and ensured food safety compliance, enhancing customer satisfaction through quality control and improved service delivery.
 - o Recognized for leadership and contributions to the success of food service operations.
- Capgemini** Hyderabad, India.
Associate Consultant, Digital Banking. Senior Java Full Stack Developer. *July 2019 – August 2021*
 - o **Spearheaded API Development:** Spearheaded API Development: Rolled out features for Mambu core banking integration with Fin-Tech partners and Cloud Technologies.
 - o **Optimized API Workflow:** Constructed micro-service architecture for seamless integration with Temenos Transact, Mambu, and Cloud Technologies
 - o Materialized and exposed RESTful web services based on RESTful APIs, emphasizing scalability, fault tolerance, and loose coupling in Service Oriented Architecture (SOA) using the Spring framework.
 - o Managed API publication, promotion, and scalability securely using AWS gateway, AWS EC2, Docker, and ECS.
 - o **Streamlined Onboarding Journey:** Delivered Digital Banking Platform SAAS products around KYC, expediting onboarding by 80%.
 - o **Strengthened Restful Micro-services:** Enhanced security and efficiency through OAuth 2.0 and 2-way SSL enforcement and fail-safe patterns in Spring Boot Microservices, reducing error-tracing time by over 70%.
 - o Integrated Swagger-UI for Eureka server registration and Spring Web flux for asynchronous API calls.
 - o **DevOps:** Orchestrated the implementation of a CI/CD pipeline on Jenkins, automating unit testing processes, while strategically managing Maven for streamlined build and packaging; optimized build efficiency by 45% and reduced deployment time by 30%
 - o **Technology Adaption:** Integrated latest software technologies like Angular and Ionic, improving efficiency by over 50%.
 - o **Innovative End-to-End Solution:** Reduced paperwork by 80% for investment advisors through collaborative stakeholder efforts.
- eAutomaton Cognitive Sciences PVT LTD, Thub @ IIIT-H** Hyderabad, India.
Project Trainee. *May 2018 – June 2018*
 - o **Prediction Model:** Cleaned and analyzed patient data, developed machine learning models predicting patient behavior, achieving 82% accuracy.

PROJECTS

- o **Laborer Management System. (A Competition by AWS @ Capgemini, India):** Overhauled the outdated Laborer Management system, creating a web portal streamlining hiring and boosting efficiency by 85%, while also achieving 3rd place in the AWSome Global Builders Challenge.
- o **Home Credit Default Risk:** Built ML pipelines to predict repayment capability, reducing screening time by 95%.
- o **Safe Travels - An travel planning Website:** Pioneered Safe Travels, a travel planning website offering a seamless user experience, itinerary generation, reducing planning time by 90%, and augmented suggestions from previous reviews, along with effortless travel visualization and planning.
- o **Jacob Barhak Analytics - Visualizing the Population Modeling Map :** The population modeling working group initiated a field mapping effort to aid researchers in discovering analogous work and potentially leveraging research from parallel domains.