

SUBHAV KATARIA

PROFILE SUMMARY

- Experienced and Results-driven Technical Architect with over 12 years of expertise in designing end-to-end solutions using Micro Services, Big Data, Artificial Intelligence, and Cloud Technologies for the Banking and Hospitality domains.
- Adept at designing and implementing scalable solutions that align with business objectives.
- Proven adaptability to emerging technologies, coupled with innovation and organization skills.
- Strong problem-solving abilities and a proven track record of successful project delivery in Agile environments.
- Published research papers in IEEE International IoT, Electronics, and Mechatronics Conference.

KEY SKILLS

- **Programming:** Java (1.8+), Python (Intermediate), React (Intermediate), Unix shell script, SQL
- **Frameworks:** Spring Boot, Spring Cloud, REST API Development, JPA, Batch, JUnit, Mockito
- **Cloud Services:** GKE, EKS, Anthos Istio Service Mesh, DocumentDB, Pub/Sub, AWS Lambda, GCP Functions (Java), S3
- **Databases:** SQL (Oracle, MySQL), NoSQL (MongoDB, Redis)
- **Devops & Containerization:** Git, Bitbucket, GitHub, Docker, Kubernetes, CI/CD, Bitbucket, Jenkins, Github Actions, Terraform
- Agile Methodology, Jira, Maven
- SOLID Design principles, Software Design Patterns and Database design
- Defect Tracking: JIRA, Quality Center
- **Microservice Architecture & Microservice Patterns**
- **Big Data:** HDFS, Hadoop, Hive, Apache Spark, Impala, KUDU, PySpark, Kafka
- Machine Learning and Artificial Intelligence: Supervised Learning, Un Supervised Learning, Exploratory data Analysis, Computer Vision, NLP (Intermediate), Tensor Flow, Keras & Tensor Board
- Problem-Solving & Critical Thinking
- **Cloud Platforms:** Google cloud Platform(GCP), Amazon web services (AWS)

IEEE RESEARCH PAPER PUBLICATIONS

[Food Calorie prediction using deep learning](#) – Executed an Artificial Intelligence-driven project that predicts real-time calorie content from images using Mask RCNN. Orchestrated the entire pipeline using the CRISP-DM model, from data collection to model deployment.

WORK EXPERIENCE

HCL Technologies Ltd, Noida – Technical Architect

November 2021 | Present

Client: Deutsche Bank, Noida

Project: Payment Service Directive (PSD2 Unity)

Technologies used: Spring Boot, Micro Services, Java, GCP, Kubernetes, SQL, Service Mesh, Github Actions CICD, Kafka, Terraform

Responsibilities:

- Spearheaded full lifecycle development and design of new Micro Services.
- Orchestrated complete GCP cloud infrastructure setup for Kubernetes deployment.
- Established Github Actions CICD pipelines from scratch, ensuring zero manual intervention.
- Collaborated with stakeholders to comprehend business needs and deliver efficient solutions using agile methodology.
- Optimized and fine-tuned processing time for multiple Micro-Services.
- Provided technical leadership and mentorship to the development team, improving their Java skills and adherence to best practices.

Project: Document Content Management Service (**DCMS**)

Technologies used: Spring Boot, Micro Services, Java, GCP, Kubernetes, SQL, Jenkins, Kafka, FileNet

Responsibilities:

- Led architecture and design efforts for the project.
- Efficiently managed and guided the development team.
- Communicating with the business and understanding the requirements to deliver the efficient solution using agile methodology.
- Conducted code reviews to maintain coding standards, performance optimization, and static code analysis using SonarQube.

Project: Regional Consolidated Layer (**RCL**)

Technologies used: Spring Boot, Micro Services, Java, Kubernetes, Hive, Jenkins, Kafka, Apache spark

Responsibilities:

- Led architecture, design and assessment efforts to migrate old applications on RCL platform.
- Performed data ingestion, aggregation and processing to deliver reports.

Wipro Ltd, Pune – Technical Lead

November 2020 | November 2021

Client: **Credit Suisse, Pune (Worked at Credit Suisse location)**

Project: Asia Regulatory Data Mart (**ARDM**), International Wealth Management (**IWM**)

Technologies used: Spring boot, Java, Apache Spark, Hive, Impala, HDFS, Scala, SQL, Kudu, React JS

Responsibilities:

- Collaborated with business to comprehend requirements and deliver solutions with agility.
- Provided cost-effective solutions optimizing existing infrastructure.
- Managed end-to-end IWM-Trial Balance Project, enhancing processing efficiency by 25% through Apache Spark and microservices.

Tata Consultancy Services, Gurgaon - IT Analyst

December 2014 | November 2020

Client: Meclo Crown Resorts, Macau and Hong Kong

Technologies used: Spring boot, spring cloud, Java, AWS Cloud, docker, Jenkins, Spark, Mongo DB and Kafka

Responsibilities:

- Successfully migrated legacy applications to Microservices.
- Optimized response time for various micro services.
- Leveraged AWS services, including Kubernetes, Jenkins and DocumentDB to optimize application performance.

Client: Royal Bank of Scotland, Gurgaon (Worked at RBS Gurgaon Location)

Technologies used: Angular, Spring Boot, Java, Teamcity, SQL, oracle and Spark, Tomcat server

Responsibilities:

- Designed and optimized various web services for reconciliation processes.
- Created real-time data dashboards for analysis of swift messages.
- Led the development of **Real Time Nostro (RTN)** reconciliation project using microservices, achieving 20% cost savings.
- Roll out deployment plans, roll back plans and run books for release.

Client: General Electric, USA

Responsibilities:

- Developed and handled admin module micro service and deployed on Predix cloud from GE (cloud foundry)
- **Designed Interface Layer Reports (ILR), a generic framework to handle more than 250+ reports.**
- Created Dashboards using JQuery to visualize breaks in reconciliation.
- Mentored team for data ingestion and processing.

Cognizant Technology Solutions, Pune – Associate

June 2011 | November 2014

Client: JPMORGAN CHASE, USA

Project - EFSEBT-WIC (supplementary nutrition program developed for women, infants and children)

Responsibilities: Developed multiple dashboards using jQuery and spring as part of application development by adding benefits to cardholder, purchase form card and maintaining transaction history is involved.

EDUCATION

Executive Dual Post Graduate Program: Artificial Intelligence & Machine Learning
University of Texas, Austin, USA | Great Lakes Executive Learning, India | July 2020

Bachelor of Technology: Information Technology
VIT University, Vellore, Tamil Nadu | May 2011 | 8.34 CGPA

ACCOLADES

- "Mastering Big Data Analytics Certificate" from Great Learning.

- Got Technical Excellence Award for delivering ETL work.
- Multiple certificates from LinkedIn.
- Participated in various Machine Learning Hackathons.
- "On the Spot Awards" and "LOV" Award from RBS client for Real Time Nostro.