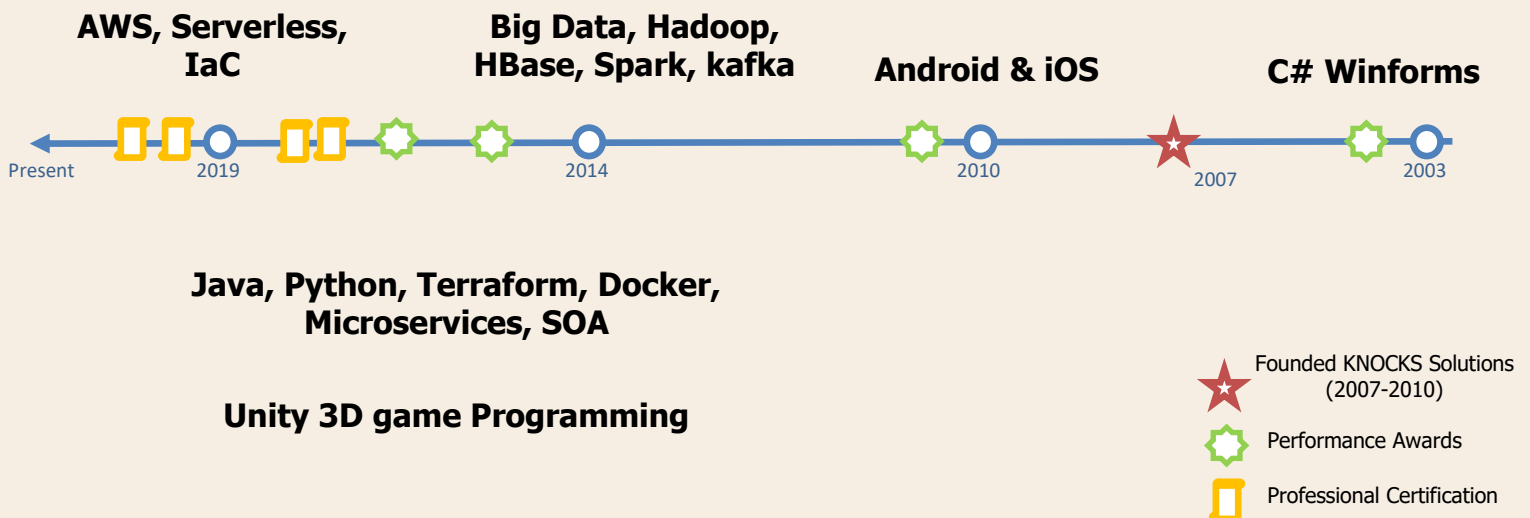


IT Professional with overall 19+ years of experience, with the last 9+ years in Big Data and Cloud computing.

Passionate about programming and design and enjoy working under tight deadlines.

Autodidact Unity Developer with a portfolio online at <https://rGyani.com>



About Me

- Technology and programming-language agnostic, curious about emerging trends in computing and big believer in design driven development.
- **Founded and operated KNOCKS Solutions (2007-2010)**, developed third party .NET Winforms Components Suite, like Outlook style Calendar, Visual Studio like Docking Extender, Office style Ribbon Control, Winamp like Skin-extender and various meters and gauges UI components.
- **Self-Learned Unity3D game programming** as a hobby and developed some games for Mobile Platform.
- Also dabbled in Machine learning Image recognition projects like License Plate detection, Apparel recommender system using CNNs, YOLO, Colab etc.
- Was involved in various other projects across technologies in previous organizations, and also a lot of POCs and Pitch projects in collaboration with Sales Team, all of which have been excluded here for the sake of brevity. Also **received a lot of recognitions and awards** throughout my career.

Abridged Employment History

Senior Solutions Architect at Luxoft GmbH, Munich

Jan' 2020—Present

- Worked on a pilot for Amazon, which highlights AWS's Connected Mobility Solutions, to enable automotive manufacturers and suppliers to build server-less IoT applications that gather, process, analyze, and act on connected vehicle data, without having to manage any infrastructure.
- This involved connecting various AWS Components like **Lambdas, Kinesis, API Gateway, Cognito, SNS and SQS, DynamoDB and Neptune DB**, AWS **Cloudformation, CDK, Greeengrass, IoT Core, Glue** etc to build a reference end-to-end solution. Amazon now leverages this as a potential quick-start for its customers, starting with the collection of data inside the vehicle and highlighting the data flow through the cloud.
- Worked on BMW Ad-vantage (Autonomous Driving) project for developing and maintaining their data-pipelines. BMW has an on-prem **MapR cluster**, which they eventually want to migrate to AWS. My role in the project is to support this migration activity by developing AWS services, using **Lambda, EMR, Cloudwatch, S3, Kinesis Streams, Cloudwatch** and **Terraform** scripts (IaC) while still maintaining the existing cluster pipelines (which include **Airflow DAGS**, MapR clusters, **Kafka-MapR streams**).
- Also solved some recurring problems for the clients, which included a custom Grafana plugin to query Drill REST API (developed in GO and Angular), as well a custom zeppelin interpreter for git interactions (Java & Angular)

Solutions Architect / Tech Lead at Polaris Wireless, Bangalore

Feb' 2014— Aug' 2019

- Designed and developed a Big Data bare-metal as well as cloud (AWS) based solution, to store and profile mobile locations of all subscribers of a country for use by investigative agencies.
- Worked on various NoSQL offerings like **HBase, Cassandra, MongoDB, Solr, Kafka, Spark**. Using **Java**, Scala and **Python** developed the full product, including KPIs, benchmarked ingestion and performance; lead a team of 9 full time engineers.
- Also involved in designing various microservices to generate profile, algorithms for comparison of the profiles (in near-real time) to find familial, communication and location patterns between subscribers.
- All these use HBase over Hadoop for storage and are optimized by Distributed Computing including **Map Reduce** and **Spark**. **Kafka** is used as the communication channel between the microservices.
- Developed the next-gen of the product, where-in Profiling is done in-line with ingestion, with **AWS S3** as the storage medium and **AWS EMR** and **AWS MSK** for ingestion.

Education and Professional Certifications

Bachelor of Engineering at Netaji Subhas Institute of Technology, Delhi *

April 1999 – June 2003

* Among top 10 Engineering Colleges in India

AWS Certified Solutions Architect - Professional SAP-C01

AWS Certified Solutions Architect - Associate SAA-C02

Databricks Certified Developer: Apache Spark 2.X 2019

Confluent Certified Developer for Apache Kafka 2019