



<https://goo.gl/cBJTLq>

## Sunil Sarolkar

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## OBJECTIVE

Seeking a data engineering/science role focused on big data, Spark, and intelligent pipelines—blending my software expertise with a passion for scalable analytics and continuous learning.

## EXPERIENCE

Total 14 Years in Java related technologies

### Data Science Project (as an part of CDS Certification)

Indian Sign Language (ISL) is crucial for communication among those with speaking and hearing impairments. Our project aims to bridge this gap by developing a translation feature specifically for ISL. Technologies- Keras3, Pytorch --

<https://huggingface.co/spaces/sunilsarolkar/ISL-SignLanguageTranslation>

### Associate Software Architect, Deutsche Bank, Pune India

Pune, Maharashtra — July 2015- till date

In my current role as an **Associate at Deutsche Bank**, I have been responsible for:

- **Architecting and developing Java-based backend services for high-performance enterprise applications**
- **Leading cloud migration initiatives with secure Kubernetes/OpenShift deployments.**
- **Enhancing application security by upgrading encryption algorithms in Java and C++ to meet auditor standards.**
- **Balancing hands-on development with system design, code reviews, and cross-functional team collaboration.**

### Software Engineer, Cognizant Technology Solutions Pvt. Ltd.

Pune, Maharashtra — Dec 2013- July 2015

Worked on creating TestSuite using Junits for the use of end to end flow testing of the Position Management applications which makes use of CSV files.

### Software Engineer, HSBC GLT

Pune, Maharashtra — Sept 2011- Dec 2013

Worked on an award winning application of HSBC named Barracuda. Responsible for obtaining requirements from clients in the US and UK for Development of full-fledged software application,

#### Accomplishments

- Worked on different financial systems like DTCC,MarkitWire,Global Calypso, etc
- Worked in IRS and CDS products

### Software Engineer, High Mark credit information services Pvt. Ltd.

Pune, Maharashtra— Mar 2010 - Sept 2011

Developed the Java and J2EE applications using Struts, Spring and Hibernate.

## EDUCATION

### Associate Cloud Engineer Certification(2023)

### PG Certification in Computational Data Science(CDS)

IISc, Bangalore- 2024

### Diploma in Advanced Computing (DAC)

ACTS, Pune— 2007

### BE ( Electronics )

Pune University,VIT College, Pune — 2001-2006

## SKILLS

Spark, Spark Streams,Kafka, Tensorflow, Pytorch, Python, AWS Lambda,Information Technology Firebase Cloud functions, Amazon Skill development, Google Actions Development, Node JS, Angular, Java, Spring,Hibernate, Javascript, Unix, Maven, Arduino, Raspberry PI

## HOBBIES

Trekking, Reading books, Swimming, Explore astrophysics info.  
I do regularly post on website Stack Overflow with username Xinus

Writing blog post <https://spsarolkar.github.io/>

## PERSONAL INFORMATION

Date of birth: 30 October 1983

Gender: Male

Nationality: India

Languages known: English, Marathi, Hindi

Marital status: single

Pan no: BHIPS6644G, Passport No. H8812841

## Projects

<p><b>Project-</b> Sign Language Recognition using Neural Network</p> <p><b>Duration-</b> 2 months</p> <p><b>Company-</b> Talentsprint</p>	<p><b>Responsibilities-</b> Worked on designing the Time series neural network using LSTM and .</p> <p><b>Technologies used-</b> Tensorflow, Python, Spark</p>	<p><b>Description</b></p> <p>Indian Sign Language is one of the most important and widely used forms of communication for people with speaking and hearing impairments. Many people or communities have attempted to create systems that read the sign language symbols and convert the same to text, but most of them target either American Sign Language or British Sign Language. Our project targets implementing the language translation feature for Indian Sign Language(ISL).</p>
<p><b>Project-</b> Feed and Adjustment Workstation</p> <p><b>Duration-</b> 8 Year</p> <p><b>Company-</b> Deutsche bank India</p>	<p><b>Responsibilities-</b> Worked on understanding the application from Vendor. Fixing defects and implementing new functionality to make adjustments for new entities introduced.</p> <p><b>Technologies used-</b> Hazelcast, Mongo DB, REST, Java 8, J2EE, Spring</p>	<p><b>Description -</b> Worked on implementing the new legal entities processing for the application. Worked on fixing the defects for the existing code written. Worked on understanding business aspects of the code written, sometimes reverse engineering is done to connect the dots to understand and change it to suite business needs.</p>
<p><b>Project Name-</b> Global Securities Infrastructure (GSI)</p> <p><b>Duration-</b> 1.5 Years</p> <p><b>Company-</b> Cognizant</p> <p><b>Designation-</b> Associate Projects</p>	<p><b>Responsibilities-</b> Understanding and implementing the requirements defined in Use Cases. Maintain the code quality using code quality tools like PMD, checkstyle and Findbug.</p> <p><b>Technologies used-</b> Java,JPA, Ejb3.0,Oracle</p>	<p><b>Description-</b> GSI is a global strategic initiative which is intended to replace current systems in mainframe. It has many different components which are responsible for flow of trade from FO to BO. I have worked on Position Management application which is an BO system responsible for maintaining Stock and Cash positions and their settlements.</p>
<p><b>Project Name-</b> Barracuda</p> <p><b>Duration-</b> 1.6 years</p> <p><b>Team size-</b> 5</p> <p><b>Company-</b> HSBC GLT</p> <p><b>Designation-</b> Software Engineer</p>	<p><b>Responsibilities-</b> Communicating with clients in the UK and US for Understanding Requirements. Brainstorm the different ways of implementing the requirements and coming up with an optimum solution. Implementing those under strict deadlines. Maintaining code quality while developing using different tools like SONAR, Junits and Jbehave.</p> <p><b>Technologies used-</b> Java,Hibernate, Spring, Berklay DB, Jess</p>	<p><b>Description-</b>Barracuda is an award winning trading platform from HSBC which allows sales and trader consent systems by communicating with different systems like Markitwire, DTCC, DTE,GC ,etc. with FIXML standard xml.</p> <p>DFA: Understanding and implementation of DFA related requirements in IRS and CDS products</p> <p>Clearing flows: Implemented full clearing flow in DTCCAdapter which accepts clearing data from DTCC using DSMatch</p>