

# Prabal Mukherjee

## Senior Architect – Data Science Application

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## Education

### Master of Science in Applied Data Analytics

Boston University | March 2022 - September 2024

Data Science, Machine Learning, AI, Big Data Analytics, Statistics, Mathematics, Computer Science

### Bachelor of Science (B.Sc.) in Physics

University of Calcutta | January 1994 - December 1997

## Key Skills

- Python, Statistical Learning
- Pyspark, MLlib, SparkNLP
- Databricks, GCP Dataproc
- C#, ASP.NET, Angular, Typescript
- SqlServer, MongoDB, Oracle, Sybase, Tibco EMS, Redis
- Docker, Kubernetes, OpenShift ECS
- Lightspeed CI/CD, Udeploy, Jenkins
- Elastic ELK, APM
- Github, Bitbucket
- EE, Blackduck, Sonar
- Visual Studio (Code, 2022), Spyder, Jupyter, R Studio
- WEKA, JMP Pro, R

With over 25 years of experience in application development, including two decades immersed in Wall Street banking technology, I bring a wealth of expertise to the table. My journey has recently taken an exciting turn towards data analytics, data science, and ML engineering, complementing my proficiency in application design and development. As a seasoned developer, I thrive on challenges, having navigated both greenfield projects and complex brownfield enterprise environments throughout my career. My track record of success, evident in my resume, underscores my ability to adapt and excel in dynamic, high-pressure settings.

I am deeply passionate about staying at the forefront of technology, particularly in cloud computing, containerization, and the captivating realm of AI and ML. My hunger for new challenges remains insatiable, driving me to sharpen my skills each day and embrace continuous learning as a core strength. Beyond personal growth, I find immense fulfillment in sharing knowledge and aiding others in their professional journeys. This spirit of collaboration and mentorship fuels my motivation, propelling me forward as I embark on new endeavors and contribute to transformative projects in the ever-evolving landscape of technology.

## Professional Experience

### Senior Architect - Data Science Application

CitiGroup, Jersey City, New Jersey, United States | March 2023 - Present

- Consulting for Global Market Sales Technology group, focusing on supporting, enhancing, and architecting solutions within a proprietary CRM ecosystem.
- Utilizing technologies such as C#, Python, PySpark, ML, Angular, ECS Openshift, Elastic ELK, APM, CI/CD etc to develop tailored solutions for complex business needs.

### Vice President

Credit Suisse | October 2014 - March 2023

- Lead architect and Dev in SP Risk Technology.
- Tech stack: Python, ML, PySpark, SparkNLP, Databricks, C#, ASP.NET, TIBCO EMS, SQL, etc

### Lead Developer Architect

CitiGroup | May 2013 - October 2014

- Lead architect and dev for Event Management System for Global Market Sales Technology
- Tech Stack: ASP.NET MVC, C#, SQL Server etc

### Lead Developer

Credit Suisse | May 2011 - May 2013

- Design, Developed, and implemented a Pre Trading System for All MBS Desks
- Tech Stack: C#, Sybase, TIBCO EMS, Infragistics etc

### Assistant Vice President

Morgan Stanley | September 2009 - May 2011

- Developed and Supported Bond Trading System
- Tech Stack: C# 3.5, Win Form, Infragistics 8.3, Java MSGQ etc

- Deeplearning, TensorFlow, Keras

## Senior C# Developer

*Multiple Companies | June 2001 - August 2009*

- Merrill Lynch - Developed CDS trading system, Dec 2007 - Aug 2009
- AIG - Developer Portfolio Management System, May 2006–Dec 2007
- SocGen - Developer Compliance (Empl Trading), Jan 2006 - May 2006
- CSFB - Developer PnL Reporting System (Opera) - Jan 2005 - Jan 2006
- Gamut Infosystems India - Developer ERP - June 2001 – Feb - 2004