

DARSHAN VALIA

hire@dvalia.in | +91 98198 21731 | <https://www.linkedin.com/in/dvalia>

ABOUT

Product-oriented professional with ten years of global experience across multiple sectors. Enjoys learning things outside current areas of expertise. Specializes in cross-functional roles and has a customer and end-user-centric approach.

EXPERIENCE

Aabhra Inc

Senior Software Engineer — Java, ANTLR, AWS

July 2022 - Present

Mumbai, India (Remote)

- First hire of a US-based startup backed by one of the world's largest banks; responsible for taking the development of an intent-based data discovery and analytics platform from proof-of-concept to minimum viable product and beyond
- Building DataGenes™ and gene strand algebras, which capture intrinsic properties of data, enabling quants to express any analytics across data silos as simple queries while ensuring semantic correctness and accuracy
- Architecting the java platform to allow multiple types of data sources as well as reusable functional definitions using ANTLR
- Assisting in development of a continuous deployment of the platform on AWS using EKS and ECR
- Spearheading hiring efforts for India hires, leading a team of three for front-end and back-end roles
- Contributing content for patent filing and investor pitch-decks

Engineers Gate LP

Software Engineer

May 2019 - July 2022

Mumbai, India

- Built data pipelines in Python for a globally distributed New York based quantitative fund with \$3 billion in assets
- Ingested more than 30 financial data sources on Redshift and Postgres including equity fundamentals, factor analysis, regulatory and financial event data to the platform, multiplying the depth and breadth of available data sources; this data was used continuously by quantitative algorithms of eight portfolio teams to reliably find trading signals quickly
- Deep-dived into 20+ prospective vendor data sources, evaluated vendor product and delivery based on internal quality standards and worked with vendor representatives and technical teams to resolve queries, data bugs and discrepancies
- Created alerting solutions providing actionable insights on worldwide corporate actions within hours of announcement or changes; used daily by quants and the financial operations team as informational or regulatory signals
- Automated ETL processes, leading to smooth data delivery before beginning of trade sessions of multiple global stock exchanges

Bloomberg LP

Software Engineer - Bloomberg Query Language (BQL)

February 2016 - April 2019

New York, USA

- Built a cloud-based platform for cross-domain data analytics and screening engine capable of querying across petabytes of data
- Developed functionality enabling BQL users to perform analytics via easy-to-use queries for a wide variety of use cases including, but not limited to, quantitative research, technical analysis and portfolio backtesting
- Collaborated with internal engineering and data teams to enable BQL users to access 20+ Bloomberg product and content sets
- Worked with product managers and sales professionals to create proof-of-concept and demo queries for prospective BQL users
- Smoothened development for 15 team members by contributing to software tooling, automated delivery processes and process documentation, reducing live bugs and issues by 60%

Sokrati Technologies Pvt. Ltd.

Software Engineer - Infrastructure

July 2012 - April 2014

Pune, India

- Implemented the firm's core value proposition algorithms optimizing bidding values and automated management of ad campaigns for some of India's largest companies across e-commerce, entertainment and travel industries
- Led redesign of Sokrati's apps interfacing with Google and Facebook ad APIs; added features and reduced sync time by 50%
- Designed and built notification and event management systems used for automatically triggering business application workflows

EDUCATION

SDA Bocconi

International Executive Masters in Business - SDA Bocconi Asia Center

December 2024

University of Illinois Urbana-Champaign

Master of Computer Science

December 2015

Dwarkadas J. Sanghvi College of Engineering, Mumbai University

Bachelor of Engineering in Information Technology

May 2012

ADDITIONAL INFORMATION

Volunteering

Moderated English Conversation Hours at the New York Public Library, helping people from across the world learn conversational English in a friendly environment

Publications

Data Mining Using Hierarchical Agglomerative Clustering Algorithm in Distributed Cloud Computing Environment, International Journal of Computer Theory and Engineering, Vol.5(3), June 2013

Certifications

Bloomberg Market Concepts, Level 1 Improv (People's Improv Theater, New York)

Languages

English (fluent), Hindi (fluent), Gujarati (fluent), Marathi (basic)