

Abhishek Agrawal

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CAREER SUMMARY

Experienced software engineer and an Engineering leader with a demonstrated history of working on Highly Scalable, Distributed, Cloud-oriented and Data Centric technologies in the Computer software industry. Skilled in Python, Javascript based frontend and backend framework, Devops and data related technologies. Strong engineering professional with a B.Tech in Computer Science Engineering having 8 years of industry experience.

WORK HISTORY

- Senior Software Engineer 2 (Staff Software Engineer) @ Atlan - November 2024 - Current

- Responsible for spearheading an elite team of engineers. The team is transitioning Atlan from a SaaS company to a PaaS company.
- Created Observability framework, Test Framework and Security Framework for Atlan

- Application Engineer @ Snowflake – Jul 2020 to Oct 2024 (4 years)

- Founding Engineer for Snowflake Engineering, India
- Curated and managed a team of 50+ engineers, responsible for hiring, credit spend management, curating quarterly and sprint roadmaps of the product, release and communication management, cross-team collaboration
- Worked on the development of Snowpark and Streamlit products
- Worked as product owner for Data diagnostic Application

- Software Engineer @ Informatica – Feb 2019 to Jul 2020 (1 year and 6 months)

- Worked on the development of Informatica Data Archive, Informatica PowerCenter and Informatica Test Data Management products.

- Associate Software Engineer @ Informatica – Jun 2017 to Feb 2019 (1 year and 9 months)

SKILLS AND STRENGTHS

- **Leadership** : Founding Engineer of CXE Team at Snowflake, Product Owner of DDA with skills like ability to scale teams from scratch, hiring, performing quarterly business reviews, team credits spend management, Laying out product roadmaps and team charters, Scrum management using tools like JIRA etc. Liaisoning between different teams, Requirement gathering and converting it into technical specifications.
- **Version control** : Git, Github and Bitbucket
- **System design Concepts** : software architectures, HLD, LLD, Machine design, micro services, distributed computing, cloud based systems, design principles etc.
- **Servers** : Uvicorn, Apache httpd, Nginx, Unicorn
- **Security** : Supabase, SAML, Okta, NextAuth, LDAP, KeyCloack, IAM, Kerberos,

Hashicorp Vault, Firebase, Cognito, Tri-Secret Secure, AWS Vault

- **Message Brokers** : RabbitMQ, Kafka, Numaflow
- **Files** : YAML, XML, TOML, ORC, Markdown, JSON, GRPC, Parquet, Avro, Arrow
- **ETL**: Meltano, Luigi, Kedro, Dbt, Dagster
- **CI / CD** : Jenkins, Github Actions, Circle CI, Travis CI
- **Big Data** : Sqoop, HDFS, Hive, Hbase, Zookeeper, Spark
- **AWS** : S3, Lambda, LightSail, EC2, Glue, Athena, Step Functions, Serverless Framework, Dynamo DB etc
- **Orchestration and Containerization** : Airflow, Temporal, Docker, Kubernetes
- **Visualization** : Streamlit, Tableau, Looker, QlikSense
- **Databases**
 - **Relational** : SurrealDB, SQLite, PostgreSQL, MySQL, DuckDB, CockroachDB, Presto
 - **In – Memory** : Redis
 - **Graph** : Neo4j
 - **Cache** : Memcached, Elastic-cache
 - **Columnar** : Hbase, Cassandra
 - **Warehouses** : Snowflake, Hive

- **Languages and Frameworks**

- **Python**

- **Web Scaping | Automation Testing** : Selenium, Scrappy, Playwright, Octoparse, Helium, BeautifulSoup
- **Web Development Frameworks** : Flask, FastAPI, Django
- **Testing** : UnitTest, PyTest, Nose2
- **ORM** : SQLAlchemy
- **Distributed Task Runner** : Celery, Blinker
- **Others** : Libraries like Typing, abc, Pydantic, Pandas, Dask, Polars, Matplotlib, Jinja2 etc.

- **Javascript**

- **Web Development Frameworks** : Loopback, Koa, Hapi, Express
- **Testing** : Mocha, Jest, Cucumber, Chai, Enzyme
- **Templating** : Pug, Moustache, Handlebars, EJS
- **Frontend** : Vite, Recoil, Redux, NextJS, Storybooks, Vercel, Netlify, Typescript, ReactJS
- **ORM** : Sequelize, Mongoose, GraphQL

EDUCATION

- **B.Tech in Computer Science Engineering** – Graphic Era University, Dehradun – 2017
- **12th with PCMB** – Kendriya Vidyalaya ONGC Dehradun – 2013