

Bhanu K

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WORK EXPERIENCE

Software Engineer - AI/ML

Adroit Tech

Remote.

June 2024 – Present

- Improved **Spring Boot REST API** response times by **30%** by engineering optimized algorithms through following design patterns and Test-Driven Development practices to ensure reliability.
- Formatted & Normalized the **Structured Data** to support **LLMs** and Analytics platforms, ensuring consistency and usability across **AI/ML workflows**.
- Developed **event-driven pipelines** with **Apache Kafka** to trigger **AI-Driven workflows** and auto classify documents, reducing manual processing time by **40%** and Improving data throughput
- Collaborated with cross-functional teams to develop an MVP using **Angular** to enhance analysis capabilities and ran A/B tests, incorporated feedback from reviews with downstream stakeholders.
- Built **real-time dashboards** to monitor model and **API** observability metrics including **latency, token usage** and **error rates**, setting up automated alerts for proactive issue resolution
- Automated **CI/CD** workflows using **Github Actions** and **Docker**, enabling seamless version control and consistent deployment of AI services in production

Software Engineer - Full Stack

Tata Elxsi Limited

Bangalore.

Sep 2021 - July 2023

- Designed and developed scalable, **automated Data pipelines** processing **over 1 million** daily transactions using **AWS Lambda, DynamoDB and Kinesis**, achieving **30%** reduction in **data latency**.
- Developed robust backend APIs using **Java, Spring Boot, and OAuth2**, significantly reducing unauthorized access incidents by 15% while strengthening overall data security.
- Built data ingestion and transformation workflows integrating **REST APIs** and **Websocket** streams, enabling near real-time analytics and **operational dashboards** for cross-functional teams.
- Developed **RESTful microservices** using **Spring Boot** to process user data efficiently, ensuring 99.9% uptime and handling 1,000+ concurrent requests.
- Collaborated with **product, analytics**, and engineering teams in Agile environment, participating in code reviews, sprint planning, and **CI/CD deployment** pipelines using **Jenkins** and **GIT**.

Analytics Engineer

Stacts Pvt Ltd

Bangalore.

Jun 2020 - Aug 2021

- Maintained and optimized **ETL pipelines** handling **500K+** daily records on **AWS Kinesis**, improving throughput by **40%** while adhering to SLA deadlines.
- Automated** data processing, reporting using Python Scripts and SQL, **reducing** manual reporting time by **20%**
- Optimized complex **SQL** queries on multi-terabyte datasets, enhancing **query performance by 30%** for business intelligence workflows.
- Coordinated** with engineering and analytics teams to **align data models** with evolving business requirements and data governance policies of the **clients**.

TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, JavaScript.

DevOps: Git, Jenkins, Docker, Terraform, Groovy, Github Actions, Maven, JIRA.

APIs and Frameworks: REST APIs, Spring Boot, Websocket, FastAPI, JPA, GraphQL, Angular, React JS, Flask.

Databases: Postgres, Snowflake, MongoDB, Oracle.

Data Engineering Tools: Apache Kafka, Airflow, Spark streaming, Databricks, DBT, Hadoop, HEX, Athena, Snowflake, Kubernetes, Data Lakes, Data Warehouse design, Data Modeling.

Certifications: AWS Certified Data Engineer, AWS Certified Cloud Practitioner.

EDUCATION

University at Buffalo, The State University of New York.

Master of Science in Data Science

Buffalo, NY

Aug. 2023 – May 2025

- Coursework :** Data Base Management Systems, Data Structures and Algorithms, Machine Learning, Artificial Engineering, Statistics, Deep learning, Cloud computing, Data Science and Applications, Generative AI.