

Anirudha Deepak Bedre (Ani)

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Sabbatical Relocating back to India • Upskilling • Travel

Oct 2024 – Present

Professional Work Experience

American Tire Distributors – Boston, MA, USA

Jan 2024 – Sep 2024

Senior Software Engineer - Recommendation Systems & Retail Shopping Site

Developed event-driven backend microservices for recommendation systems supporting tire retailers, while also contributing to the front-end development of their tire shopping website. (Python/Java/FastAPI/BigQuery/Kubernetes/Angular)

Torqata – Boston, MA, USA

May 2021 – Dec 2023

Senior Data Engineer - Platform Team & Smart Order Team

Developed event-driven backend microservices for automated tire ordering systems, enhancing system scalability and responsiveness. (Python/FastAPI/Kubernetes/Postgres/Redis/GCP Cloud Run/PubSub/Cloud Composer/Cloud Storage)

Designed and maintained developer automation tools, infrastructure, and services on Google Cloud Platform to streamline deployment and operational efficiency. (Docker/Terraform/Kubernetes/Helm/GitHub Actions/ArgoCD)

Led weekly architecture and design forums for internal stakeholders, sharing best practices and driving alignment on platform solutions and improvements.

The Shipyard – Columbus, OH, USA

Mar 2017 – May 2021

AWS Data Engineer - *Data Analytics*

Designed and built end-to-end ETL data pipelines and applications on AWS and Kubernetes, integrating diverse vendor and client data sources to implement marketing attribution, user-level analytics, programmatic bidding, and identity resolution, while managing cloud infrastructure and services on AWS.

(Python/Apache Spark/Kubernetes/Postgres/Aerospike/AWS EMR/SQS/Lambda/S3/DynamoDB)

IBM – Cambridge, MA, USA

Feb 2016 – Aug 2016

Data Specialist Intern - Cloud Data Services – Analytics

Developed a web portal to showcase IBM cloud offerings; contributed to the 'pixiedust' Python library by building visualization plugins in IBM Jupyter Notebooks, enabling intuitive graph and chart representations of Apache Spark dataframes data.

(Node.js/Cloud Foundry/Cloudant/Python/Apache Spark)

Cognizant Technology Solutions – Chennai, TN, India

Sep 2012 – Jun 2014

Programmer Analyst – Data Warehousing & BI – Banking & Financial Services

Migrated credit systems' ETL and business logic from Ab Initio to Informatica and Teradata custom stored procedures, optimizing transformation workflows and increasing data pipeline efficiency by 70%. (SQL)

Professional Certifications

Microsoft Certified Azure AI Engineer Associate(2025), AWS Generative AI with LLMs (2025), Google Cloud Certified Professional Cloud Architect(2023), Kubernetes Certified Administrator(2022), Amazon Web Services Certified Developer Associate(2017).

Technical Skills

Programming Languages

Python, Java, SQL, Javascript/Typescript, R, Scala, HTML.

Databases

PostgreSQL, MySQL, Redis, DynamoDB, Aerospike, CouchDB, Teradata.

Data Warehousing & BI

Tableau, Apache Superset, Informatica, IBM Cognos, Spotfire, Qlikview, Ab Initio.

Big Data Tools

Apache Spark, BigQuery, AWS Athena, Kafka, Google Pub/Sub, Hadoop.

Cloud Platforms &

Google Cloud Platform(GCP), Amazon Web Services(AWS), Microsoft Azure, Docker,

Orchestration

Kubernetes, Terraform, Github Actions, Apache Airflow, IPython/Jupyter Notebooks, Helm.

Education

Master of Science in Information Systems *Northeastern University, Boston, MA, USA.*

Sep 2014 – Dec 2016

Bachelor of Engineering in Computer Science *Anna University, Chennai, India.*

Sep 2008 – May 2012