Kunj Pathak

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Technical Skills

Languages: **Java**, **Python**, **SQL**, JavaScript, C#, **HTML**, CSS
Frameworks & Libraries: **Spring Boot**, **Spring Security**, .NET Core, **ReactJS**, Tailwind CSS
Database: **SQL** (**MySQL**, OracleDB, **SQL Server**), **NoSQL** (**MongoDB**, DynamoDB)
Data Analytics & Engineering: PySpark, Azure Data Factory, Databricks, **AWS Glue**, **Apache Spark**
DevOps & Cloud: **Docker**, **CI/CD**, **Kubernetes**, Terraform, Jenkins, **AWS**, **Microsoft Azure**, Google Cloud
Version Control & Tools: **Git**, **Postman**, **Github**, Jira, Jest, **IntelliJ**, VS Code, Azure Devops, **Linux**
Other: **OOP(Object Oriented Programming)**, **Agile**, **SDLC**, Microservices, **REST APIs**, **JUnit**, SOLID Principles, **TDD(Test Driven Development)**, MS Office

Experience

Data Engineer Co-op/Intern | 01/2025 – Present
QuadReal Property Group | *Toronto, Canada*

- Developed and maintained **DBT models**, **enhancing data transformation efficiency**, enforcing data governance standards, and **enabling seamless collaboration** across Data Engineering, Analytics, and Product teams.
- Engineered and automated **Azure Data Factory (ADF) pipelines** to efficiently **ingest and transform large datasets** into Azure SQL, reducing processing time and improving data accessibility for analytics teams.
- Designed and optimized scalable **data pipelines** to develop **Financial Data Models**, **integrating structured and unstructured data** from multiple sources, ensuring high data accuracy, consistency, and availability for **business intelligence**.

Data Engineer Intern | 12/2022 – 03/2023
Diggibyte Technologies Private Limited | *Bangalore, India*

- Designed and maintained **ETL pipelines** with **PySpark**, **Azure Data Lake**, and **Azure Data Factory**. In addition, streamlined **data transformation** with **Databricks**, and ensured **data accuracy** through in-depth **unit testing**.
- Collaborated on project **led by the C.T.O.** that integrated **DBT and Docker** to improve **ELT** process efficiency.

Software Developer Intern | 01/2022 – 04/2022
Imbuesoft L.L.P | *Gujarat, India*

- Implemented **backend services** with **Java** and **Spring Boot**, enhancing security and performance while ensuring on-time delivery through **Agile** and **Scrum** practices.
- Architected **scalable front-end systems** using **ReactJS**, optimizing component reusability and state management.

Education

Dalhousie University — GPA: 4.0 / 4.3 | NS, Canada
Master of Applied Computer Science | *01/2024 – 06/2025*
Gujarat Technological University — GPA: 8.46 / 10 | Gujarat, India
Bachelor of Computer Science and Engineering | *06/2018 – 06/2022*

Projects

EcoPick (Full Stack Web Development)   *Java, Spring Boot, ReactJS, Redux, MySQL, Docker, JUnit*   [Github]

- Developed key features' **APIs** using **Spring Boot**, including **user registration**, **product browsing**, subscription management, and **digital wallet integration**, with **Cron Jobs** for **handling subscription** delivery feature.
- Ensured **high code quality with 92% code coverage**, through **Test-Driven Development (TDD)** and **SOLID Principles**, and **refactored 27 implementation smells**. Furher, managed project development using **Agile** practices.

Tiffin Box WebApp (Full Stack Web Development)   *Java, Spring Boot, Spring Security, React, JWT, MongoDB*   [Github]

- Engineered a Secure **Web Application** with **Spring Boot**, **Spring Security**, and **React**, developed robust **Authentication** and **Authorization** features, including **JWT and role-based access control**.
- Created user-centric **REST APIs** for **Authentication**, **Profile Management**, **Payment Intent** and **Multipart Image Uploads**.
- Enhanced **User Experience** using **Tailwind CSS** and **Daisy UI**. Further, **integrated** a secure **Stripe Payment Gateway** for convenient **online transactions**.

Streaming Stocks Cloud E.T.L (Cloud Computing)   *Python, PySpark, AWS: EventBridge, Glue, Lambda, SNS*   [Github]

- Developed a scalable **real-time data pipeline** using **PySpark** and **AWS services**, transforming **raw stock data** from the **Polygon API** into **Parquet format** for optimized storage and querying.
- Implemented an **event-driven architecture** with **AWS EventBridge** and **Lambda**, achieving an **80% reduction** in **infrastructure provisioning time** using **AWS CloudFormation** and leveraging **AWS Glue** for **data cataloging** and ETL management.