

# MOHAMED ALMEFREJ

## Software Engineer / Data Platform Engineer

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### PROFILE

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Software Engineer / Data Platform Engineer with experience building data-intensive systems, integrations, automation and scalable platform solutions. Currently working at Norrköpings kommun with Microsoft Fabric, Python, PySpark, SparkSQL, SQL, Delta Lake and Power BI. Strong focus on robust architecture, reusable code, metadata-driven development, data quality and operational reliability.

### TECHNICAL SKILLS

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**Programming:** Python, JavaScript, SQL, HTML, CSS, Git, C#, Java

**Data & Platforms:** Microsoft Fabric, PySpark, SparkSQL, Delta Lake, ETL/ELT, Data Modeling, Power BI

**Integration & Automation:** APIs, OAuth2, Fabric Pipelines, Azure DevOps, Docker, Microsoft 365

**Ways of Working:** System Design, Agile/Scrum, monitoring, error handling, documentation, troubleshooting

### PROFESSIONAL EXPERIENCE

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#### Norrköpings kommun - Software Engineer / Data Platform Engineer

Aug 2024 - Present | Norrköping, Sweden

- Build and improve technical solutions for the municipality's data platform, integrations and analytics needs.
- Develop ETL/ELT workflows using Python, PySpark, SparkSQL, SQL and Delta Lake.
- Design metadata-driven logic for ingestion, transformation, orchestration and monitoring of data flows.
- Integrate data from databases, files and APIs and work with bronze/silver/gold architecture in Microsoft Fabric.
- Support Power BI reporting through structured data models, reliable pipelines and quality-assured data layers.

#### Addima AB - Junior API Developer

Sep 2023 - Dec 2023 | Stockholm, Sweden

- Built API integrations between Zoho and other cloud-based systems.
- Contributed to automated workflows and worked closely with the digitalization team on integration logic and APIs.

### SELECTED PROJECTS

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**Metadata-driven ETL Framework** - Contributed to a metadata-driven framework for ingestion, transformation, persistence, monitoring and error handling in Microsoft Fabric. Technologies: Python, PySpark, SQL, Delta Lake, Fabric Pipelines.

**Live CV Website** - Designed and built a responsive bilingual live CV website using HTML, CSS and JavaScript, including project filtering, dark/light mode, downloadable CV and a GitHub/Cloudflare Pages workflow.

**Power BI / Fabric Metadata Catalog** - Worked with metadata for workspaces, datasets, tables, columns, relationships and permissions to improve visibility and governance.

### EDUCATION

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#### Dalarna University - Bachelor of Science, Main Field of Study: Informatics

2020 - 2024 | Borlänge, Sweden

- Focus on system development, databases, IT systems, project work and digitalization.

### LANGUAGES & ADDITIONAL

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**Swedish:** fluent / native-level | **Arabic:** native | **English:** professional working proficiency

**Additional experience:** Customer service, retail, reception, care and service roles 2016-2023. Driving licence B (automatic).