

Zachary Novak

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TECHNICAL SKILLS:

- **Development:** Java, Scala, Python, C#, .Net, Atlassian Tools (Jira, Confluence, Crucible), Powershell, Bash, Shell, Apache (Airflow, Kafka, Spark), PuTTY, SVN, Git, Numpy, scikit, Pandas, JSP, Docker, AJAX, SQL, WinMerge, VirtualBox, SFTP, GPG, Venv, Git/BitBucket, JDBC, Gradle, Jenkins, Alteryx
- **Cloud:** Amazon AWS technologies (S3, SES, IAM, EC2, Lambda), Databricks
- **Database:** MySQL, Postgres, MSSQL, SSRS, Amazon AWS (Redshift, RDS), InfluxDB.
- **Front-End Development:** HTML, CSS, JQuery, JavaScript, Bootstrap, Spring, Flask, Thymeleaf
- **Analytics:** Elasticsearch, Tableau, Excel, limited R.

RELEVANT WORK EXPERIENCE:

CardinalCommerce | Mentor, Ohio

January 2019 – Present

Associate Data Engineer

- Worked with program / product managers to design, test, implement, and maintain POC's with 3rd party clients as well as comply with all Visa and federal security / data regulations.
- Lead projects related to quality analysis, automated backfill, monitoring, and system scaling.
- Investigated and resolved faulty indexes within Cardinal's databases to increase query performance and reduce overall memory usage.
- Expanded existing and created new backfill / quality analysis processes related to overall Cardinal's data processing system using technology such as Databricks, Airflow, Amazon S3, Redshift, Elasticsearch, and InfluxDB.

CardinalCommerce | Mentor, Ohio

May 2016 – Aug 2016, May 2017 – Aug 2017, May 2018 – Aug 2018

Business Intelligence Engineering Intern

- Worked within Cardinal's Big Data group to assist in implementing new methods of data aggregation into their current production environment as well as preparing scheduled jobs
- Migrated singular scheduled Spark jobs into grouped jobs under separate AWS clusters using Apache Airflow
- Maintained and updated internal Big Data website with monitoring dashboards, reports, and triggers to push notifications to appropriate client managers, security, and/or production specialists
- Worked on projects involving design, development, and delivery of data analysis and reporting for internal and external consumers
- Performed functions dealing with report writing, capacity planning, ETL jobs, client data delivery, and testing within reporting database schema

OTHER WORK EXPERIENCE:

Diebold Nixdorf | North Canton, Ohio

Sept 2017 – May 2018

Jira Specialist / Project Management Intern

EDUCATION:

The University of Akron, College of Business Administration

Akron, Ohio

Bachelor of Business Administration in Information Systems Management

Graduated December 2018

GPA: 3.65 / 4.00

Dean's List: 4 semesters

Outstanding 2018 – 2019 Management Information Systems Graduate