

James M Vasky

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Education

University of Scranton

BS IN NEUROSCIENCE, COMPUTER SCIENCE MINOR

Scranton, PA

Sep 2008 – Jan 2013

University of Scranton

MS IN SOFTWARE ENGINEERING

Scranton, PA

Feb 2013 – Dec 2019

Experience

W.W. Norton & Co.

JUNIOR DATABASE ADMINISTRATOR

Dunmore, PA

Dec 2017 – Present

- Work closely with senior DBA and sysadmins to maintain integrity and performance SQL Server server instances
- Query/View optimization
- Write and implement stored procedures and triggers for varying uses e.g. staging data, cross database writes, table auditing
- Build, schedule, and maintain ETL jobs using ETL tools, mainly CloverDX and Java, for the purposes of data warehousing
- Schema design and promotion of necessary schema changes for developers from dev/staging environments to production
- Manage SQL Server users and permissions as well as manage DB backups

UM Technologies LLC (now Cloudshadow LLC)

SOFTWARE DEVELOPER

Moosic, PA

Nov 2014 – Dec 2017

- Design, write and maintain software
- Maintain and continuously develop Java based ETL application involving energy invoice PDFs
- Create RESTful endpoints using PHP/Postgresql for various web projects

Skills

Programming Languages: Go, Java, Javascript/NodeJS, PHP, Python, SQL, TypeScript

Technologies/Tools: Unix/Linux Systems, Linode, AWS familiarity, Terraform familiarity, Vue.js, React familiarity, CloverDX, MySQL, MS SQL Server, Postgresql, MongoDB

Projects

Java ETL Application

DEVELOPED A JAVA APPLICATION USING REGEX AND XML TO EXTRACT DATA, TRANSFORM THE DATA USING BUSINESS RULES AND LOAD UTILITY INVOICE DATA INTO POSTGRESQL USING SQL.

Java, Regex, Ant, Postgresql, SQL

Go Invoice Downloader

MAINTAINED AND BEGAN RE-FACTORED EFFORT OF AN ENERGY INVOICE PDF DOWNLOADER USING GO, CASPERJS AND LATER SELENIUMSERVER.

Go, CasperJS/PhantomJS, SeleniumServer, Postgresql, SQL

Enterprise ETL Tool Selection and Process Development

EVALUATED VARIOUS ENTERPRISE ETL TOOLS/SERVICES TO DETERMINE THE CORRECT ENTERPRISE SOLUTION BASED ON BUSINESS NEEDS AND MONGODB ETL BEST PRACTICES. MAIN DEVELOPER OF ETL PROCESSES USING CLOVERDX ALONG WITH SQL QUERIES TO MIGRATE SQL SERVER AND DB2 DATA TO MONGODB ATLAS.

CloverDX, Talend, MS SSIS, SQL Server, DB2, MongoDB

University of Scranton Programming Contest Web Submission Application

RE-WROTE THE UNIVERSITY OF SCRANTON COMPUTER SCIENCE DEPARTMENT'S HIGH SCHOOL PROGRAMMING CONTEST WEB SUBMISSION APPLICATION USING A MORE CURRENT APPROACH FOR MY M.S. . INCLUDED AN ENTIRELY NEW REST BACKEND USING PHP, AND NEW FRONTEND USING VUE.JS. OTHER MODIFICATIONS INCLUDED A NEW DATABASE TRIGGER AND SCHEMA CHANGES FOR SUBMISSION VERSIONING, AND A NEW METHOD FOR THE UPLOADING AND SERVING OF SUBMITTED FILES.

PHP, Vue.js, Node.js, Postgresql