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| **Dmitriy Yermakov Database Developer**  dmitriy\_xix@hotmail.com |  |

SUMMARY

Honorably discharged US Navy veteran

Microsoft-certified database expert with 15+ years of experience

Full-Stack experience: React, Node.js, Python, Flask, .NET  
Hobbyist PC game developer

Math tutor volunteer (Westerly Hills Academy elementary school, Charlotte NC)

Gourmand extraordinaire

SKILLS

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| * Expert level database query optimization * Expert level database performance tuning * Stored procedures of any complexity | * Mastery of VBA * Mastery of Excel formulas * Mastery of Power BI | * Microsoft SSRS, SSIS, SSAS * C#.NET, VB.NET, VB6, VBA * Python * ReactJS, Node.js * HTML, CSS, JavaScript |

PROFESSIONAL CERTIFICATIONS

Credly link: https://www.credly.com/users/dmitriy-yermakov

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| [A blue and yellow logo with text  Description automatically generated](https://www.credly.com/users/dmitriy-yermakov/edit#credly)  Microsoft SQL Server 2012/2014 | Python: PCAP [Score: 95%] |
| Microsoft Azure Data Fundamentals [Score: 91%] | [A logo for a computer program  Description automatically generated](https://www.credly.com/users/dmitriy-yermakov/edit#credly) Python: PCEP [Score: 95%] |

EXPERIENCE

08/2024 – 04/2025 **Data Warehouse Developer**

**CIRCOR International, Inc. | Charlotte, NC**

* Tasked with and successfully built a data warehouse from zero, for dozens of reports: SSIS → Microsoft Azure SQL Server DB → Power BI
* Loaded Oracle data into SQL Server (SSIS, Python)
* Built interface for controlling ETL process in C# (WinForms), for business users without the necessary DB access
* Built complex SSIS packages per specifications, from start to finish
* Designed, built and tested SSIS-based automated subscription-provisioning system (VSTA C# scripts) to send out daily API payload batches (JSON), based on parameters, containing new users and old users to be de-provisioned.
* Collaboration and source control: GitHub
* Re-wrote existing PL/SQL procs and functions to run an order of magnitude faster, using database optimization techniques
* Added a fail-over system written in Python, to take over in case SSIS fails
* Designed new PowerBI reports, fixed inefficient existing Power BI reports

09/2022 – 05/2023 **Database Developer / Logistics Customer Service Administrator**

**Hyundai Glovis | Shreveport, LA**

* Wrote stored procedures for ad hoc database reports (Azure SQL Server)
* Heavy daily reporting of logistics database system (SAP)
* SQL queries of varying complexity
* Automated previously manual reports (VBA), resulting in significantly less time spent on routine reports generation
* Created a WinForms (C#) interface for management to trigger automated daily reports generation whenever I was not available
* Sped up deterministic reports generation from taking up to a day to taking minutes
* Invented and automated a parts shortage-predicting process (VBA) for the warehouse team
* Assisted GM in generating monthly SAP reports
* Assisted accountants with reconciling SAP budget sheets
* Assisted accountants with finding transposition errors
* Assisted HR with PowerBI reports creation and maintenance
* Set up users in Active Directory
* Assisted IT with hardware installations and server backup battery replacement

09/2019 – 04/2022 **Solo Game Developer**

* Wrote and published phone and PC games on Android and Itch.io (Unity C#)
* Developed 9 game prototypes in Unity, portfolio available upon request
* Created 3D models
* Assisted junior game developers in collab projects

07/2018 – 08/2019 **Application Developer**

**Wyckoff Heights Medical Center | Brooklyn, NY**

* Recreated SQL stored procedures for the new EHR system schema
* Automated critical summary reports’ delivery (with no available report generation software at the time), which resulted in critical summary reports no longer having to be done manually
* Built SSIS packages of varying complexity
* Wrote new version Meditech reports of varying complexity
* Allscripts: translated most of existing stored procedures from Meditech to Allscripts
* eClinicalWorks: reported patient metrics, merged data between eCW and Meditech
* .NET (C#): Automated report deliveries while no report generating system was available
* Set up new ETL packages in SSIS as well as maintained existing packages
* Heavy SSRS reporting in the new EHR system (AllScripts)
* Set up existing database reports in Power BI

11/2016 – 07/2018 **Database Consultant**

**Ernst & Young | New York, NY**

* SQL optimization: converted views to table-valued-functions to cross apply with table variables, which resulted in significantly faster query processing
* Index tuning: sped up a data comparison routine by correcting index use, which resulted in significantly faster query processing
* Wrote VBA macros from scratch to capture historic F/X data of over 40 million rows per day from an external website, a process which previously had to be done manually
* Set up ETL routines in SSIS to populate test data
* Data visualization graphing: used directed acyclic graphs (GEPHI) to visualize entity relationships
* Set up test data sanitization scripts and data profiling scripts in PL/SQL
* SQL Server: Converted stored procedures between data models
* Set up acceptance testing routines for the application (Selenium)

11/2015 – 09/2016 **Database Developer**

**The Fortune Society | Long Island City, NY**

* Fixed report stored procedures which took 4+ hours to run, by correctly applying optimization techniques, which resulted in the reports running in a matter of minutes, instead of days
* Moved VB6 apps and WinForms to VB.NET
* Set up ETL packages for the new Data Warehouse cube database (SSIS)
* Set up ETL packages to import toxicology and academic test results (SSIS)
* SQL Server: Optimized stored procedures using proven database optimization techniques, resulting in SPs running in a matter of minutes instead of 4+ hours.
* Very heavy SSRS reporting: Set up new reports (SSRS) per specifications, altered existing reports as per requests
* Set up and scheduled SSIS packages per specifications
* Configured API payloads (Query results → XML / JSON)
* Used Microsoft Team Foundation Server (TFS) for collaboration and source control

10/2013 – 03/2016  **Database Developer**

**TWU Local 764 | New York, NY**

* Automated a manual delinquency scan report, turning a process which previously took a day of human error prone manual scanning into a triggered automated routine that took minutes to complete and get sent out.
* Added a dashboard to input acceptable value thresholds for non-technical types. VBA, C# WinForms, Entity Framework.
* Performed routine QA across 3 databases (SQL Server, MySQL and Access)
* Instructed staff on performing database maintenance and reporting
* Migrated and tested data from existing MS Access DB and MySQL into new SQL Server DB (SSIS)
* MS Access: Wrote queries, reports and forms in MS Access for various admin needs
* SQL Server 2008: Created and edited previously non-existent DB diagramming using meta tables; Wrote complex queries for various reports
* SSRS: Created and published various union database reports
* Web: maintained the union website using Javascript, HTML, PHP, WordPress
* Assisted union members and customers with website issues
* Responsible for office desktop applications and network troubleshooting
* Associate Editor of the monthly newsletter (Microsoft Publisher)

12/2011 – 12/2012 **Database Analyst**

**Standard and Poor’s**

* Index Management support
* Fixed Income support
* Inter-DB data mapping and QA on new calculation engine
* Data Clean-up (Oracle, MS Access, MS Excel)
* SQL queries of varying complexity
* VBA solutions for many ad-hoc tasks, as well as for optimizing existing tasks
* PL/SQL procs (mostly anonymous custom blocs, as well as new functions to existing packages)
* Fixed Income Support and Documentation (tracking day-to-day descriptive and pricing data, validation, error track-ing), documenting existing processes

06/2011 – 12/2011 **Data Analyst**

**Thomson Reuters**

* Wrote VBA macros which turned a manual days-long process into a matter of minutes, example: to recognize same entities’ names which were spelled differently (e.g. *ABC, Inc*. vs *ABC*)
* Assisted the Sales team manager with special projects:
* Data cleansing, integration (MS Excel ↔ MS Access ↔ Salesforce ↔ Siebel)
* MS Excel pivot tables, V-Lookups, String manipulation, Regex
* Data migration, ETL
* Large sets of data reconciliation with Excel VBA macros

08/2007 – 08/2008 **Trading Floor IT Consultant**

**Bear Stearns, Inc. / JPMC**

* Wrote Excel spreadsheets to reconcile the position and P&L value for credit derivative flow products between a legacy trade system and a new trade system; Entered credit derivative flow trades into a parallel trade system for comparison with the production trade system
* Wrote Excel spreadsheets to reconcile (at the trade level) differences between a nightly flash P&L report and a morning P&L report after cash adjustments
* Wrote VBA macros for searching and reconciling large sets of trade data (10,000+ trades)
* Set up Microsoft Access databases and queries for reconciling sets of trades that exceeded 65,536 row limitation of Excel
* Wrote advanced SQL queries, both routine and ad-hoc
* Reviewed trade information to ensure the accuracy of key economic and non-economic trade attributes before
* trades were transmitted to DTCC (DV01, DTR, DTZ, MV, Notional) for trade clearance
* High activity Risk reports reconciliation
* Routine heavy use of MS Excel (V-Lookups, custom VBA macros, pivot tables, automation, parsing external data) for data analysis, reports

EDUCATION

Bachelor of Arts, **Mathematics**, Brooklyn College | **Brooklyn, NY**

Associate of Science, **Computer Science**, Kingsborough Community College | **Brooklyn, NY**

VOLUNTEERING

Math tutor volunteer at **Westerly Hills Academy**  
Heart Math Tutoring, **Charlotte NC**