**PAVEL STROH**

215-520-0003 / [pst500@hotmail.com](mailto:pst500@hotmail.com) / [LinkedIn® Profile](http://www.linkedin.com/in/pavel-stroh-006781344/) / Doylestown, PA 18902 USA

Experienced Data Engineer with a strong background in designing and implementing large-scale data solutions, data integration pipelines, and enterprise-level applications. Progressive skills in the full software development lifecycle, ETL/ELT processes, database optimizations, and modern data platform development across cloud and on-prem environments. Strong analytical, quantitative, and problem-solving skills. Detailed understanding of production/operations and general business management. Professional, flexible, adaptable, self-motivated, and a fast learner. Can work creatively and constructively under pressure. All programming is completed in a timely manner and meets all specifications and requirements. Successful track record of delivering solutions, following through from conception to deployment.

**EXPERIENCE**

May 19 – Present **IBM** Remote

***Data Engineer***

* Implementing data processing by using Azure Synapse, Azure Databricks, Azure Data Lake Storage Gen2
* Developed and maintained scalable data pipelines using Python/ PySpark for ingestion, transformation, and orchestration of large datasets from diverse sources.
* Building data pipelines with medallion architecture
* Using t-codes in SAP ECC to identify types (delta, full), extraction methods (tables, views, function modules) along with data and metadata to successfully automate ingestions into Synapse or Databricks
* Designed complex pipelines using Azure Data Factory to efficiently ingest and transform data from multiple sources
* Creating job clusters and notebooks
* Trigger the Data Shares Subscriptions via REST APIs on successful messages from Service Bus
* Hands-on experience in data automation for ETL/ELT including ADF, Service Bus and Logic App
* Outstanding expertise in T-SQL development, specifically with complex queries
* Participates in the planning process including design, development, testing, and delivery of analytics solutions
* Involved in large-scale data conversion project from SQL Server to Azure Dedicated SQL Data Pool
* Using DevOps CI/CD deployments between environments
* Providing guidance, training, and problem-solving assistance to other team members
* Following Kanban and Agile methodologies

Feb 08 – Mar 19 **DORMAN PRODUCTS, INC.** Colmar, PA

***Lead Application Developer& Data Manager***

* Built and managed an IT team, which helped to grow Quality and Engineering departments from 20 to over a hundred contributors by leading, designing, developing, implementing, and supporting all software developments.
* Involved in process of interviewing and hiring additional IT resources
* Owned the end-to-end product lifecycle for internal analytics tools, improving data accessibility and decision-making across departments
* Employed best practices in creating a complete schema including tables, relationships, stored procedures, views, clustered and non-clustered indexes, constraints, DML triggers, synonyms, etc.
* Owned the vision and roadmap for advanced manufacturing data products, including production line analytics, OEE (Overall Equipment Effectiveness) dashboards, and quality control reporting
* Performed tuning and optimizing queries to improve performance by altering database design, analyzing different query options, indexing strategies, SQL Profiler, DMVs (dynamic management views) in sys schemas to find poor, long-run, most expensive queries
* Determined and developed the proper ETL processes in SSIS/BODS including of use slowly changing dimension
* Created replications in SQL Server and SAP SLT
* Designed and developed complex T-SQL queries and database code such as stored procedures, triggers, and functions to support complex business processes and rules
* Using self joins, correlated sub-queries, transform, and XML techniques for diverse business requirements
* Setup SQL Server roles and logins, manage security on schema level (grouping objects)
* Created complex OData Web Services in HANA
* Worked closely with outsourced contractors in the company’s ERP transition to SAP
* Used SAP information design tool (IDT) to create universes, data models, and Webi reports
* Supported SAP BO Dashboards
* Developed visualization and data visualization concepts using Qlik Sense
* Defined the technical components of the solution, the development methodology, and associated development tools
* Collaborated with other teams to determine the impact of database changes on other systems
* Primary role in all aspects of full lifecycle software development in VB/C#/ASP.NET and IIS web server
* Worked closely with customers to ensure all requirements are met
* Followed company's workflow in design, development, UAT, CRB approval, and installation of change requests
* Maintenance, ongoing support, resolving incidents of all production applications, reports, jobs, etc.
* UI design (clarity, simplicity, keeping users in control, consistency, etc.)
* Built a variety of large-scale MS Access / SQL Server & HANA systems
* Used MS TFS for source code management and Red Gate for back-end SQL promotions

Built web and windows-based Quality & Engineering Management System, which includes a variety of applications: Design Specifications, Production Parts Approval Processes, Corrective Action/Preventive Action, Nonconformance, Supplier Quality Assurance, Control Samples & Inspection, Quality Indicator (Defect Return/Labor Claim, Technician Calls), Engineering Labs, Product Recall, and more. System components allow users to create, review, approve, release, and track assignments and documents. The QM System minimized its total cost of quality and increased efficiency, data accuracy, production, and workflow control.

Feb 05 – Jan 07 MRM **WORLDWIDE** Princeton, NJ

***Senior Data Analyst***

* Delivered scalable data products supporting customer segmentation, retention analysis, and churn prediction across marketing and sales
* Responsible for optimizing Online Marketing Campaigns for large clients (AVIS/Budget, Concerta, etc.)
* Acquisition, matching, merging, linking, and analyses of vital records and surveys, census, and clinical data
* Assisted with quantitative and qualitative data collection and analysis, preparation of progress reports, presentations, and training tools. Experience with tracking systems for integrated, online marketing efforts

Feb 99 – Aug 04 **PHILADELPHIA HEALTH MANAGEMENT CORPORATION** Philadelphia, PA

Client: Philadelphia Health Department

***Management Information Systems Manager***

* Created Client Data System to capture demographic and service data from multiple provider sites and programs
* Developed Foster Care Medical Passport Information System in collaboration with DHS Team
* Full lifecycle development of Medical Office Management database for Philadelphia Employee Health Services
* Design and implementation of Philadelphia Indicator Project
* Designed Nurse-Family Partnership program to gather clinical data from remote sites

**EDUCATION**

* STATE INDUSTRIAL UNIVERSITY Russia

Bachelors of Science in Engineering. Minor in Computer Science

* CSC INSTITUTE Southampton, PA

Diploma in Computer Programming. Visual Basic, MS SQL Server, MS Access, Oracle, Web Development

**SKILLS**

Azure Dedicated SQL Data Pool, Azure Synapse, Azure Data Factory, Databricks, ADLS Gen2, DevOps, MS SQL Server, SAP HANA, T-SQL, SSIS, SAP Data Services (BODS), .NET (VB, C#, ASP), VBA, Informatica, Qlik Sense, Redgate