Data warehousing and ETL professional with 5+ years of experience in starting up new projects. Highly familiar with the challenges of startup businesses.

AREAS OF EXPERTISE

ETL design and development

Data warehouse design

Metadata management

Data quality assessment

Data cleansing

PROFESSIONAL

Seasoned in Pentaho

Knowledge of MicroStrategy

PERSONAL SKILLS

Analytical

Accurate

Attention to details

Listening

WORK ETHICS

I prefer short and intensive work over long coffee breaks.

PERSONAL DETAILS

Gergo Szekely

gergo@stackingfunctions.net

(+36) 20 / 214-4049

ACADEMIC QUALIFICATION

BS. in Computer Science
University of Maryland, College Park

KEY SKILLS AND COMPETENCIES

- Experience with performance tuning of high volume ETL jobs and data warehouses
- Understanding of Pentaho products
- Checking of source data for sense, consistency, and accuracy
- Understanding of both business and technical people
- Well organized in work
- Creatively respond to new challenges

WORK EXPERIENCE

2006-2008: MicroStrategy (MSTR) – Java developer

2009-2011: Angel.com – Lead BI Engineer

2012-2016: Stacking Functions, LLC – BI Consultant

2016-: Independent – Data Migration Specialist

TECHNICAL SKILLS

Expert: ETL, Metadata Management, Performance
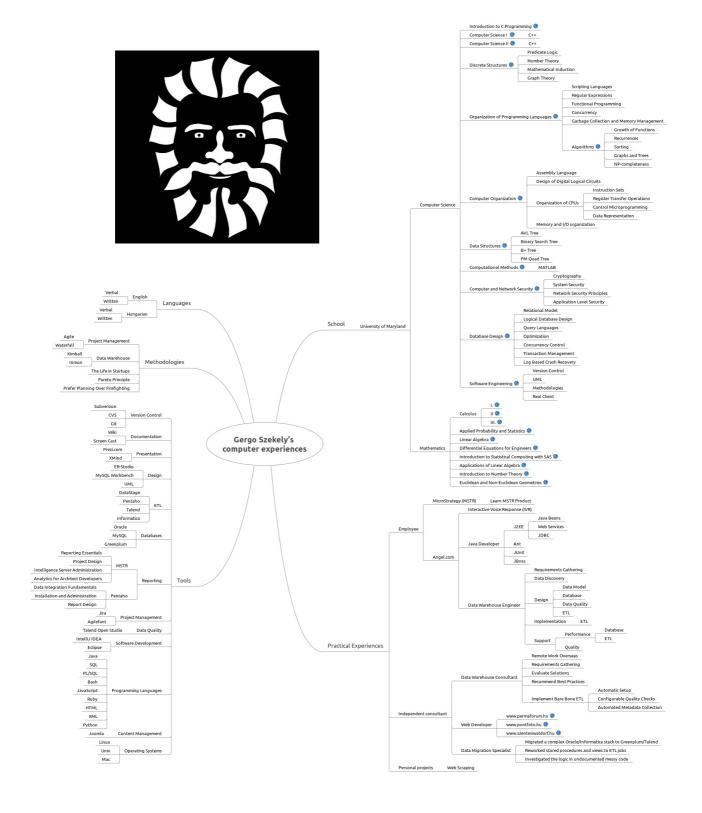
Skilled: SQL, PL/SQL, Oracle, MySQL, XML

Knowledgeable: Java, Ruby, Bash, HTML, Python

SPOKEN LANGUAGES

- Hungarian – native
- English – professional

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Are you looking at a paper copy and you need a magnifier to read it?
For a zoom-able format please visit http://cv.gergo.stackingfunctions.net

Gergo Szekely's computer experiences

School

University of Maryland

Computer Science

- Introduction to C Programming
- Computer Science I — C++
- Computer Science II — C++
- Discrete Structures
  - Predicate Logic
  - Number Theory
  - Mathematical Induction
  - Graph Theory
- Organization of Programming Languages
  - Scripting Languages
  - Regular Expressions
  - Functional Programming
  - Concurrency
  - Garbage Collection and Memory Management
  - Algorithms
    - Growth of Functions
    - Recurrences
    - Sorting
    - Graphs and Trees
    - NP-completeness
- Computer Organization
  - Assembly Language
  - Design of Digital Logical Circuits
  - Organization of CPUs
    - Instruction Sets
    - Register Transfer Operations
    - Control Microprogramming
    - Data Representation
  - Memory and I/O organization
- Data Structures
  - AVL Tree
  - Binary Search Tree
  - B+ Tree
  - PM Quad Tree
- Computational Methods — MATLAB
- Computer and Network Security
  - Cryptography
  - System Security
  - Network Security Principles
  - Application Level Security
- Database Design
  - Relational Model
  - Logical Database Design
  - Query Languages
  - Optimization
  - Concurrency Control
  - Transaction Management
  - Log Based Crash Recovery
- Software Engineering
  - Version Control
  - UML
  - Methodologies
  - Real Client

Mathematics

- Calculus
  - I.
  - II.
  - III.
- Applied Probability and Statistics
- Linear Algebra
- Differential Equations for Engineers
- Introduction to Statistical Computing with SAS
- Applications of Linear Algebra
- Introduction to Number Theory
- Euclidean and Non-Euclidean Geometries

Languages

- English
  - Verbal
  - Written
- Hungarian
  - Verbal
  - Written

Methodologies

- Project Management
  - Agile
  - Waterfall
- Data Warehouse
  - Kimball
  - Inmon
- The Life in Startups
- Pareto Principle
- Prefer Planning Over Firefighting

Tools

- Version Control
  - Subversion
  - CVS
  - Git
- Documentation
  - Wiki
  - Screen Cast
- Presentation
  - Prezi.com
  - XMind
- Design
  - ER-Studio
  - MySQL Workbench
  - UML
- ETL
  - DataStage
  - Pentaho
  - Talend
  - Informatica
- Databases
  - Oracle
  - MySQL
  - Greenplum
- Reporting
  - MSTR
    - Reporting Essentials
    - Project Design
    - Intelligence Server Administration
    - Analytics for Architect Developers
  - Pentaho
    - Data Integration Fundamentals
    - Installation and Administration
    - Report Design
- Project Management
  - Jira
  - Agilefant
- Data Quality
  - Talend Open Studio
- Software Development
  - IntelliJ IDEA
  - Eclipse
- Programming Languages
  - Java
  - SQL
  - PL/SQL
  - Bash
  - JavaScript
  - Ruby
  - HTML
  - XML
  - Python
- Content Management
  - Joomla
- Operating Systems
  - Linux
  - Unix
  - Mac

Practical Experiences

Employee

- MicroStrategy (MSTR) — Learn MSTR Product
- Angel.com
  - Interactive Voice Response (IVR)
  - Java Developer
    - J2EE
      - Java Beans
      - Web Services
      - JDBC
    - Ant
    - JUnit
    - JBoss
- Data Warehouse Engineer
  - Requirements Gathering
  - Data Discovery
  - Design
    - Data Model
    - Database
    - Data Quality
    - ETL
  - Implementation — ETL
  - Support
    - Performance
      - Database
      - ETL
    - Quality

Independent consultant

- Data Warehouse Consultant
  - Remote Work Overseas
  - Requirements Gathering
  - Evaluate Solutions
  - Recommend Best Practices
  - Implement Bare Bone ETL
    - Automatic Setup
    - Configurable Quality Checks
    - Automated Metadata Collection
- Web Developer
  - www.permaforum.hu
  - www.pontfoto.hu
  - www.szentesiwaldorf.hu
- Data Migration Specialist
  - Migrated a complex Oracle/Informatica stack to Greenplum/Talend
  - Reworked stored procedures and views to ETL jobs
  - Investigated the logic in undocumented messy code

Personal projects — Web Scraping