

# JURGEN ZENUNI

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## EXPERIENCE

**Full Stack Engineer** | *Freelance* • [Live App](#) • [GitHub](#)

August 2025

- Built a full-stack Django application for sharing wallpapers, integrating ByteDance Seedream3 AI for image generation, AWS S3 for object storage, and Stripe for subscription-based premium services.
- Engineered a PostgreSQL schema using normalization and indexing, reducing query times and storage costs.
- Managed over 30,000 image uploads, enabling real-time search and retrieval.

**PC Hardware & IT Consultant** | *Self-Employed*

2022 – July 2025

- Maintained Excel-based tracking systems for inventory, sales, customer history, and profit margins.
- Custom-built PCs to over 20 clients, optimizing hardware selection and ensuring performance benchmarks.
- Conducted data-driven component comparisons, helping clients maximize performance-to-cost ratio.

## PROJECTS

**Video Rental Data Analysis** | *SQL, MySQL, Tableau* • [GitHub](#) • [Tableau Report](#)

- Queried and analyzed a 1M+ row MySQL database to uncover customer rental patterns, top-performing films and genres by store location.
- Designed Tableau dashboards to visualize monthly revenue, film popularity, and customer segmentation, enabling data-driven business decisions.
- Authored 15+ advanced SQL queries using CTEs and multi-table joins, improving query performance and delivering key insights.

**Automated Library Database** | *MySQL, SQL Triggers, Excel* • [GitHub](#)

- Developed a normalized MySQL database supporting scalable library operations (books, users, checkouts).
- Automated tasks using SQL triggers and scheduled events for late fees and real-time status updates.
- Used Excel (PivotTables, XLOOKUP, conditional formatting) to generate reports on borrowing behavior and overdue trends of the libraries Customers.

**Weather & Accident Trend Analysis** | *Python, Pandas, Numpy, Plotly* • [GitHub](#)

- Cleaned and analyzed 300K+ records in Python using Pandas/NumPy to detect correlations between weather and traffic accidents in New York City.
- Created interactive Plotly dashboards and heatmaps to visualize accident density by condition and geography, identifying risk factors.

## EDUCATION & CERTIFICATIONS

**CUNY College of Staten Island**

Staten Island, NY

*Bachelor of Science in Information Systems*

June 2024

- Coursework: Business Data Analytics, Database Management Systems, Systems Analysis, Data Analysis, Data Mining, IT infrastructure, Web Applications, Project Management, Software Development, Cybersecurity
  - Microsoft - Career Essentials in Data Analysis (Power BI, Excel, Tableau)
  - LinkedIn - Advanced Python: Working with Data

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## TECHNICAL SKILLS

**Languages & Tools:** SQL, Python, Excel (PivotTables, VLOOKUP, Macros), Tableau, Power BI, Google Sheets, AWS

**Data Platforms & Libraries:** Pandas, Matplotlib, Plotly, DBT, Power Query, Google Big Query, Snowflake

**Professional Skills:** Jira, Slack, Microsoft Suite, Attention to Detail, Communication, Problem Solving

**Personal Interests:** Basketball & Soccer, Video Games, Competitive Activities, Artwork, Music, Movies & TV Shows, Web Design, UI Design, Data Visualization Design