

# Trever Ehrfurth

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## SUMMARY OF QUALIFICATIONS

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Seasoned data and systems engineer with a proven track record of delivering innovative, efficient solutions across diverse industries. Expertise in leading security and DevOps initiatives, with a focus on architecting advanced systems for data collection, transformation, and loading. Skilled in leveraging platforms like Snowflake, AWS, Azure, Matillion, Informatica, and DBT to drive successful projects. Strong leadership in security administration, system architecture, and operations management, ensuring optimal performance, scalability, and compliance. Committed to continuous learning, with a focus on advancing skills in data warehousing, security, infrastructure, systems administration, and DevOps.

## WORK EXPERIENCE

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### **Pandata Group**

**Feb. 2023 – Present**

#### *Security Engineer Consultant*

*Madison, WI*

- Lead security initiatives (internal/clients) and act as main security admin configuring SSO/SCIM for developer applications and tools, architecting access, MFA, and network policies across applications.
- Designed and implemented first company-wide security SOP to keep employees, developers, and clients safe, reduce threat surface and standup systems to monitor and audit violations.
- Lead partnership opportunities and implement data security platform tools for internal and client operations.
- Work with client's security admins to make infrastructure and application changes in Azure, AWS, Snowflake, Okta, and more.

#### *Systems Engineer Consultant*

- Lead and implement operations initiatives for key services like enhanced time entry applications, documentation/wiki services, uptime monitoring systems, encrypted password manager, and orchestration tools.
- Own and manage Pandata Group's GitHub organization including access, permissions, IaC, and GitOps.
- Implement and own Snowflake Trust Center both internal and client facing, remediating violations, applying authorization, user/service, and network policies, and creating OAuth/keypair's for integrations to better secure the platform.
- Own, implement, and manage Postman environment and train developers on API best practices.
- Deploy, monitor and provide maintenance to containerized services (Docker/Kubernetes) in various Linux environments across AWS/Azure.

#### *Data Engineer Consultant*

- Train and lead junior to mid-level ETL developers in various ETL tools and frameworks, observe and monitor their work and performance and lend a hand or insights as needed until they are self-sufficient.
- Built one of the first corporate data warehouses using Matillion's new SaaS Solution DPC (Data Productivity Cloud). Collaborating closely with their UK developers to troubleshoot bugs and integrate new features.
- Architect and build cutting-edge systems dedicated to collecting, transforming, and loading data into valuable resources for the business and analysts, ensuring seamless and efficient data workflows.
- Regularly work with APIs for a multitude of use cases including loading client/vendor data, bringing in application metrics to make informed decisions and automating workflows between applications.
- Utilize platforms like Snowflake, Matillion, Coalesce, AWS, Azure, and DBT to orchestrate data flows and transformation logic across multiple industries, clients and use cases.
- Forge strong client relationships and ensure client satisfaction through effective communication, tailored solutions, and a keen understanding of their unique business needs.
- Proactively research, evaluate, and implement emerging technologies, determining their applicability to specific projects and client requirements, ensuring optimal and tailored solutions.

**Verosint****Mar. 2022 – Feb. 2023***Software Engineer/Data Engineer**Austin, TX*

- Verosint is a cybersecurity startup partnered with Auth0 using OSINT to authenticate validity and combat fraud.
- Responsible for coding enhancements to Golang repositories and configuring data solutions for reporting.
- Proficient in creating comprehensive reports and establishing monitoring and metrics systems in Datadog to optimize codebase performance and enhance overall system reliability.
- In charge of research and implementation of cost-effective ETL tools to be used with Neo4j and AWS.

**Navitus****Aug. 2019 – Mar. 2022***ETL/Data Engineer**Appleton, WI*

- Developed modular Informatica mappings and automated load processes with Linux and PowerShell scripts.
- Oversaw the transformation and loading of 90% of company data, ensuring precision to meet the stringent requirements of audits, government reporting, and various business applications, averting substantial fines.
- Orchestrated the design and leadership of processes for encrypting and decrypting Protected Health Information (PHI) and Personally Identifiable Information (PII).
- Successfully managed workload allocation between the Government Programs and Operations Kanban teams, demonstrating adept multitasking and coordination skills.
- Engineered innovative processes for extracting CMS exports through APIs, adeptly parsing the data into a data warehouse, and executing seamless transformations and loading procedures to cater to end-user needs and facilitate audits.

**Thrivent Financial****May 2016 – Aug. 2019***ETL/Data Engineer**Appleton, WI*

- Utilized Informatica and Bash scripting to engineer end-to-end data solutions, seamlessly bridging the gap between business requirements and end-user needs.
- Formulated Standard Operating Procedures (SOPs) encompassing process design, establishment of development environments, and strategic responses to critical applications.
- Instructed and mentored interns and contractors, imparting comprehensive knowledge and best practices in Informatica for skill development and enhanced project outcomes.
- Championed business continuity planning and conducted quarterly disaster recovery scenarios, ensuring resilience and efficacy of data and backup systems.

**EDUCATION**

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**St. Norbert College****Sep. 2019 – 2022***Master of Business Administration**De Pere, WI*

- 3.9/4.0 GPA

**University of Wisconsin – Green Bay****Sep. 2013 – May 2017***BS, Computer Science and German**Green Bay, WI*

- Magna Cum Laude; 3.8/4.0 GPA

**CERTIFICATIONS, SKILLS & INTERESTS**

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- **Certifications:** Informatica, Matillion
- **Skills:** Data Warehousing; Security; Infrastructure; Systems Engineer; Sysadmin; Data Modeling; Automation; Bash/PowerShell scripting; Kubernetes/Docker; Python; APIs; Data Pipelines; Cloud; AWS; Azure; Power BI; SQL; DBT; FTP; VS Code;
- **Interests:** Homelab; Kubernetes/Containerization; Open Source; Motorcycling; Snowboarding; Traveling; Gaming; 3D Printing; Digital Circuits.