Tyler Wendell

Senior Software Engineer - Technical Lead

in linkedin.com/in/t3r/
✉ tyler.wendell09@gmail.com
📞 919 344 4537

Passionate engineer driving innovation through mathematics, machine learning, and creative problem-solving. Contributor and leader of a diverse team developing technologies in a dynamic startup environment. Committed to lifelong learning, teaching, and personal growth for impactful results.

Work Experience

Centripetal   *August 2021 – Present*
Senior Engineer & Tech Lead   *North Carolina, USA*

- Orchestrated the development of a highly scalable, parallel data ingestion and analytics pipeline for cybersecurity data using **Golang**.
- Proficient in utilizing data streaming technologies such as **Spark**, **gRPC**, and **Kafka** for efficient data processing.
- Leveraged **Python** and machine learning techniques to transform intelligence data, enhancing decision-making processes.
- Used **CircleCI**, **GitHub Actions**, **GKE**, **FluxCD** for CI/CD.
- Actively collaborated with an adjacent team, experimenting with **Rust** for caching data in a DNS recursor.
- Utilize a variety of data storage technologies including: **Redis**, **Postgres**, **Databricks**, **GCS**
- Demonstrated expertise in architectural design and successful implementation of software systems.

SAS   *June 2016 – August 2021*
Machine Learning Engineer   *North Carolina, USA*

- Contributed to the development of multiple products, including the analytical search microservice for SAS data catalog, automated data quality, data profiler service, data enrichment service, and worked directly with customers to provide Hadoop and SQL consulting expertise.
- Demonstrated expertise in backend microservice development using **Go**, **C++**, and **C** languages.
- Utilized **gRPC**, **C++**, **Python**, and **SAS** to build NLP tasks and algorithms for automated data quality processes.
- Led training initiatives to containerize the development environment, enabling the company's transition to building cloud-native services in Kubernetes.

Education

Master of Science   *University of North Carolina at Greensboro*
Computer Science   *September 2014 – May 2016*
Program Emphasis: Big Data and Machine Learning

Bachelor of Science   *Black Hills State University*
Mathematics   *May 20007 – May 2012*
Minor: Mathematics Research & Music

Soft skills

Team Leadership	As a tech lead, I have balanced hands-on contributions with team management, fostering an environment that empowers even new developers to contribute.
Mentorship	Leveraging my experience as a former high school math teacher, I design learning plans and provide hands-on mentorship to empower new developers grow.
Public speaking	Over the last decade I have consistently grown exceptional public speaking skills honed through delivering talks and presentations to diverse audiences, ranging from large tech conferences and customer meetings to intimate team standups