Michael Airola

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Professional Summary

Looking for positions where I can develop useful products for important causes in a healthy work environment. I love making complex things less complex.

Work Experience

- ### Business Intelligence Developer at Aspire (2021-present):
  - Developed, prepped, and maintained Aspire's Enterprise Data Warehouse (SQL database) for all of Aspire's business needs.
  - Gathered requirements for and implemented logic for client-requested data reports.
  - Designed, implemented, and operated a data-extraction pipeline runner - complete with monitoring, validating, and scheduling features (operations/file system program written in C++). Used for all data file exchanges going to Aspire's business partners.
  - Designed, implemented, and operated a data load monitoring suite. Used for all data file loads coming from Aspire's business partners.

- ### Full Stack Engineer at Defie (2018-2021):
  - Built and shipped features for an Enterprise Resource Planning (ERP) software.
  - Designed ~40 resource-oriented data models and oversaw their lifecycle implementations.
  - Maintained and restructured large legacy codebase. From 2018 - 2021, total lines of code went from 134,244 to 43,460 (66% decrease!)

Tools in the Toolbox

- Relational database work: SQL ~ 4yrs xp.
- SQL Server Intergration Services (SSIS) projects: C++ ~ 1 yr xp.
- Data visualization work: Tableau, Python ~ 1 yr xp. R ~ 2 yrs xp.
- Website development: Javascript, LitElement, React ~ 2 yrs xp.
- Server-side engineering: GoLang, Node ~ 2 yrs xp.
- Development Operations: Linux, Git, Docker ~ 4yrs xp.
- CI/CD pipeline engineering: Kubernetes ~ 2 ys xp. Google Cloud Run ~ 4 yrs xp.

Education

B.S. Mathematics, Physics Minor from UC Santa Barbara 2016