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.

Work

- **Technical Staff at the Aerospace Organization** (2022-present):
  - Develop satellite communication simulators to analyze government requirement satisfactions given contractor systems.
  - Collaborate with government entities to develop productivity tools for managing capability assessments and tradeoffs
  - Maintain and add features to internal data visualization toolings and applications.

- **Business Intelligence Developer at Aspire** (2021-2022):
  - 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.
  - Designed, implemented, and operated a data load monitoring suite.

- **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!)

Stacks

Backend: 7 yrs, **Frontend**: 9 yrs, **Data engineering**: 7 yrs, **Cloud engineering**: 7 yrs, **CI/CD development**: 7 yrs

Buzzwords

Python: 3 yrs, **SQL**: 5 yrs, **Bash**: 7 yrs, **Javascript**: 7 yrs, **React**: 7 yrs, **GoLang**: 7 yrs, **Kubernetes**: 7 yrs, **C++**: 5 yrs, **JIRA**: 3 yrs, **GIT**: 7 yrs

Education

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