Justin DeKock

he/him/his

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St. Louis, MO

| **GitHub** | | **LinkedIn** |

Summary

I'm a driven individual with 4+ years of professional experience, expecting to graduate with my M.S. in Information Systems in winter 2026. I'm passionate about software development, systems design/architecture, and systems/database administration. I'm an efficient problem-solver with proficiencies in a wide range of programming languages, automation technologies, data manipulation tools, and more. My professional experience is primarily in automation scripting and database reporting, and my ever-growing portfolio of personal open-source software development projects can be seen on my public Github account.

Skills

Programming Languages
- Go (formerly Golang)
- Python
- C++
- JavaScript
- HTML/CSS

Database
- Oracle (PL/SQL)
- Postgres (PL/pgSQL)
- MS SQL Server (TSQL)
- MongoDB (NO-SQL)

Software/Tools
- Git/Github
- UNIX Command Line
- Docker
- Qualtrics

Data Manipulation/Visualization
- Alteryx
- Tableau
- Maptlotlib/Seaborn
- Plotly

Experience

Saint Louis University, St. Louis, MO | July 2023 - Present

Systems Specialist - Student Financial Services | October 2024 - Present
- Design & develop systems for administering federal and institutional financial aid
- Utilize data manipulation tools like Alteryx and scripting languages like Python and Javascript to automate processes
- Write SQL reports for high-volume Oracle databases, particularly the Ellucian Banner SIS (student information system) database
- Write scripts (primarily in Python) to generate SQL INSERT and UPDATE statements that automate Banner processes
- Automate survey response collection in Python using the Qualtrics API

Federal Work Study Coordinator | July 2023 - October 2024
- Managed FWS (Federal Work Study) program
- Redesigned FWS community service agreement process in Qualtrics
- Analyzed FWS vs. non-FWS Student Worker data to find opportunities to maximize FWS spending, resulting in an additional ~$600,000 in funds being spent
- Designed electronic surveys in Qualtrics to digitize paper forms
- Customized Qualtrics surveys using embedded JavaScript to improve survey quality & accessibility

Washington University School of Medicine, St. Louis, MO | June 2022 - July 2023

Planning Assistant - Operations & Facilities Management | June 2022 - July 2023

- Provided project support on the BJCIH Vertical Expansion Project, the Neuroscience Research Building, and the Ambulatory Cancer Building
- Coordinated and documented executive level meetings
- Created reporting materials using the Microsoft Office Suite, Adobe Acrobat, etc.

East West Gateway Council of Governments, St. Louis, MO | Jan. 2022 - June 2022

Urban Planning Intern | Jan. 2022 - June 2022

- Studied urban planning principles, provided support to and observed several local planning projects

Education

M.S. Information Systems

Saint Louis University | 2024-Present

- I expect to complete my master's degree in Information Systems in winter 2026
- Relevant coursework in:
  - Python - Systems Architecture - Javascript/React - Cyber Security Principles

B.A. Educational Studies

Webster University | 2018-2022

- I completed my bachelor's degree in Educational Studies after completing several semesters in the computer science program
- Relevant coursework in:
  - C++ - Programming Principles - Operating Systems - Networking Principles

Open Source Projects

This resume!

- I built and maintain this resume using Hugo - a static website generator built with Go

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My personal website: jdeko.me

  - Go - HTML/CSS/JavaScript - Docker - Postgres - MongoDB - Apache Web Server - Cloudflare

- Designed REST API to access NBA/WNBA statistics from a Postgres database
- Designed custom logging system that logs HTTP requests to a MongoDB database
- Frontend built using plain HTML/CSS/Javascript

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NBA/WNBA Statistics Database

  - Go - Docker - Postgres - PL/pgSQL

- Designed a fully normalized relational database to store NBA/WNBA stats
- Calls official NBA API, cleans/restructures the returned JSON, inserts into database

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GoPuml

  - Go - PlantUML (Puml) - Regex

- Command line tool that scans a Go codebase for specific regex patterns, maps Go syntax to Plantuml syntax, and outputs a valid Plantuml script that renders as a UML class diagram

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