

Jim Fellows

jim.fellows01@gmail.com
(603) 545-9558
www.linkedin.com/in/jfellows
<https://github.com/jimfellows>

Software, data and analytics expert passionate about turning raw information into actionable insights and results. 10+ years of experience supporting data-driven applications.

EXPERIENCE

Software Engineer, NOAA Fisheries - T&T Consulting Services

Seattle, WA • Nov. 2019 - PRESENT

- Developing desktop (Python/Qt) and web (TypeScript/React) apps for scientific data collection at sea
- Maintaining Oracle databases while migrating existing data structures and functionality to MongoDB
- Re-designing and administering multiple PostgreSQL databases using AWS RDS for PostgreSQL
- Automated NMEA sensor data pipelines with AWS for faster CPUE calculations and more timely stock assessments
- Using PostGIS, PostgreSQL, and Tableau to develop spatial and analytical products for center-wide use
- Spearheading at-sea image data collection project for AI/ML model training and automation
- Named 2022 Northwest Fisheries Science Center's Team Member of the Year

Data Engineer, Healthentic

Seattle, WA • Feb. 2019 - Nov. 2019

- Transformed sensitive healthcare data into actionable analytical products for company stakeholders
- Developed MSSQL data warehouse, ETL processes, and reports using T-SQL and SSIS/SSRS
- Adhered to a strict development cycle and collaborated with other data engineers and QA team

GIS Data Analyst, Comtech Telecommunications Corp.

Seattle, WA • Mar. 2016 - Feb. 2019

Geovisual Data Specialist II, Google Inc.

Bothell, WA • Jan. 2014 - Feb. 2016

Scientific Technician II, Washington Department of Fish and Wildlife

Mill Creek, WA • Sep. 2012- Sep. 2013

SKILLS

Data: PostgreSQL, Oracle, MongoDB, Microsoft SQL Server, CouchDB, SQLite, Apache Drill, PL/SQL & SQL, OLAP/OLTP database modeling, ETL/ELT, Apache Parquet, Apache Arrow, SSIS, Pentaho

Cloud: AWS: RDS for PostgreSQL, Lambda, API Gateway, S3

Dev: Python, Pandas, PySide6/PyQt6, FastAPI, OpenCV, TypeScript, React, Docker, JIRA, scrum/agile dev, Gemini, Claude

Analytics/Spatial: Tableau, ESRI GIS suite, PostGIS, QGIS, raster/LiDAR data processing, Jupyter

Intangible: Professional written & verbal communication, teamwork, leadership, critical problem solving

EDUCATION

Certificate in Geographic Information Systems (GIS)

University of Washington • Seattle, WA • Sept. 2015 - May 2016

B.S. degrees in Environmental Sciences, Biology

Gettysburg College • Gettysburg, PA • Sept. 2008- Jun. 2012