

KIRK SHILLINGFORD

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SOFTWARE DEVELOPER

PERSONAL SUMMARY

Senior developer with 5+ years of experience building web, desktop and mobile applications. Expertise in functional design and technical documentation.

KEY COMPETENCIES

Software Languages

SQL, F#, Elm, Typescript,
Python, VBA, C#, MATLAB

Frameworks/Libraries

SQL Server, MySQL,
React, React Native,
Netlify, Eleventy
Git, Github,
Jest, Mocha, fast-check

ACADEMIC BACKGROUND

City College of New York

B.E. EARTH SYSTEM SCIENCE AND
ENVIRONMENTAL ENGINEERING | DEC 2016

Research work using data analysis
techniques in python, MATLAB, and
ArcGIS

HOBBIES AND INTERESTS

Community Management
Category Theory
Open Source Initiatives
Bouldering
Bespoke Sudoku

WORK HISTORY

Engineering Manager

FINANCIAL DATA SYSTEMS LTD | 2017 - PRESENT

Designed UI and database components for .NET-based financial software that manages several multi-million dollar portfolios

Deployed and Migrated large scale SQL Server databases for high fidelity financial data

Automated away months of data gathering and processing using T-SQL, F#, and VBA

Implemented suite of deployment builds, unit tests, integration tests and error logging to significantly reduce downtime for debugging.

Introduced documentation infrastructure for user manuals, functional specifications and training materials

Successfully negotiated matters of funding, acquisition and strategic planning with board of directors and other key stakeholders

Data Analyst

BUILDING PERFORMANCE LAB | 2015 - 2017

Developed Python desktop apps for building energy analysis and data visualization using numerical analysis.

Built a suite of Microsoft Office scripts as tools to aid analysts compile, analyze, and present energy data

Supervised team of half a dozen junior analysts and interns.

Oversaw the implementation and verification of linear regression models for advanced analysis.