

# KIRK SHILLINGFORD

## SOFTWARE DEVELOPER

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Senior developer with 5+ years of experience building web and desktop applications. Expertise in functional design and Domain-Driven Development. Extensive leadership and management experience.

### KEY COMPETENCIES

#### Software Languages

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

#### Frameworks/Libraries

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

### CAREER HISTORY

#### Community Maintainer

VIRTUAL COFFEE | 2020 - PRESENT

- Maintaining an international group of over 200 software developers at varying professional levels
- Facilitating and organizing community meetings, training, and technical presentations
- Providing career and technical mentorship for junior developers
- Creating processes and documentation for remote, async collaborators

#### Engineering Manager

FINANCIAL DATA SYSTEMS LTD | 2017 - PRESENT

- Oversaw operation of independent software company with several multi-million dollar client portfolios
- Designed UI and database components for .NET-based financial software
- 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
- Introduced user manuals, functional specifications, training materials and other documentation
- Successfully negotiated funding, and acquisitions with key stakeholders

#### Data Analyst

BUILDING PERFORMANCE LAB | 2015 - 2017

- Developed Python desktop apps for building retrofits using numerical analysis.
- Built a suite of Microsoft Excel scripts as tools to help analysts compile, 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.

### ACADEMICS

#### 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