

# KIRK SHILLINGFORD

## 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

### CONTACT DETAILS

Social: [twitter.com/KirkCodes](https://twitter.com/KirkCodes)  
Email: [tkshillinz@icloud.com](mailto:tkshillinz@icloud.com)  
Portfolio: [github.com/tkshill/](https://github.com/tkshill/)  
blog: [dev.to/kirkcodes](https://dev.to/kirkcodes)

### HOBBIES AND INTERESTS

Community Management  
Category Theory  
Open Source Initiatives  
Bouldering  
Bespoke Sudoku

### WORK HISTORY

#### Engineering Manager

FINANCIAL DATA SYSTEMS LTD | 2017 - PRESENT

Designed .NET-based financial software for regional development banks

Deployed large scale SQL Server databases for high fidelity customer data

Reporting and analytics with T-SQL, F#, and VBA

Implemented suite of deployment builds, unit tests, integration tests and functional

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

#### Data Analyst

BUILDING PERFORMANCE LAB | 2015 - 2017

Developed Python desktop apps for building energy analysis and data visualization

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.

### 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