

KIRK SHILLINGFORD

SENIOR SOFTWARE ENGINEER

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Consultant with 5+ years of experience translating domain requirements into competent processes. Expertise in Functional programming and Domain-Driven Development. Extensive leadership and community management experience. I enjoy being the adapter between systems.

KEY COMPETENCIES

Software Languages

SQL, F#, Elm, Typescript, Python, .NET

Frameworks/Libraries/Tools

SQL Server, MySQL, React, Git, Jest, Retool

CAREER HISTORY

Event Operations Engineering Consultant

AIERA | 2022 - 2023

- Working with Python, Javascript, and MySQL. internal tooling for a fintech startup
- Creating component-based dashboards and interfaces for company agents and engineers
- Coordinating with engineering and operations to reduce bottlenecks and improve developer UX
- Integrating Slack, MySQL, and Retool to create interactive monitoring, documentation, and logging tools

Full Stack Developer Consultant

BLISSFULLY | 2021

- Working with Typescript, Elm and MYSQL on. a full-stack SAAS support application
- Creating and updating GraphQL endpoints for enforcing contracts between frontend and backend
- Crafting documentation to improve developer onboarding
- Designing type-safe APIs leveraging functional programming paradigms

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 a remote, async team of 2 dozen collaborators

Engineering Manager

FINANCIAL DATA SYSTEMS LTD | 2017 - 2021

- Oversaw operation of independent software company with several multi-million dollar client 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
- 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

HOBBIES AND INTERESTS

Category Theory, Open Source Initiatives, Table Top Role Playing Games, Bespoke Sudoku, Bad Reality Television