

Stephen Byrne

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I am a software developer focused on building modern services and applications with Kotlin.

Workiva

Senior Software Engineer · 2022 - current

- Developer for internal graph data storage system.

Measures for Justice

Lead Software Developer · 2016 - 2021

- Lead developer for a suite of services and tools to track, store, and version data files, supporting large (30+GB) files. Provides a common API to store files on a filesystem, S3 with DynamoDB indexes, or via a web service. Includes libraries for application use, a web service, a CLI, and a desktop GUI. Supports security policies based on paths and attributes. Dockerized and deployed via k8.
- Lead developer for an open-source tool to extract text from computer-generated PDFs to structured formats. github.com/measuresforjustice/texticator
- Lead developer for a service and tools to load unique values from tabular files into a vault, split up the work to allow multiple people to map input values to output values, and to apply the mapped values back to the original files and other files with data of the same logical type.
- Led team efforts and training to stay up to date with Kotlin.
- Implemented a highly available web site architecture using AWS CloudFormation, CloudFront, S3, DynamoDB, Lambda, and Application Gateway to make sure MFJ's initial website launch was rock solid.

Vnomics Corp

Senior Software Developer · 2014 - 2016

- Lead developer for Android-based IoT system for collecting live data from commercial vehicles and using it for real-time driver coaching and offloading for analytics.
- Developer for Linux and Java based software stack on a vehicle-based industrial computing platform, providing REST services for web UI, stream processing, and business logic.

LincWare, LLC

Senior Software Developer · 2009 - 2014

- Lead developer for document generation and storage platform. Responsible for release planning and scheduling, new feature design and implementation to meet customer needs, and research and design for system improvement and expansion for new target markets.

Homedata (Rochester) Inc.

Software Developer · 2007 - 2009

- Web developer for data entry and reporting web application for the Foreign Trade Zone market; initially a front-end for PL/SQL database application with continuing migration of PL/SQL logic into the business layer.

Peerplace Networks

Software Developer · 2004 - 2007

- Developer for case management web application for human services. Contributed to testing, bug fixing, user interface design, new feature specification, design, and development.

Education

- Rochester Institute of Technology - Bachelor of Science, Mechanical Engineering